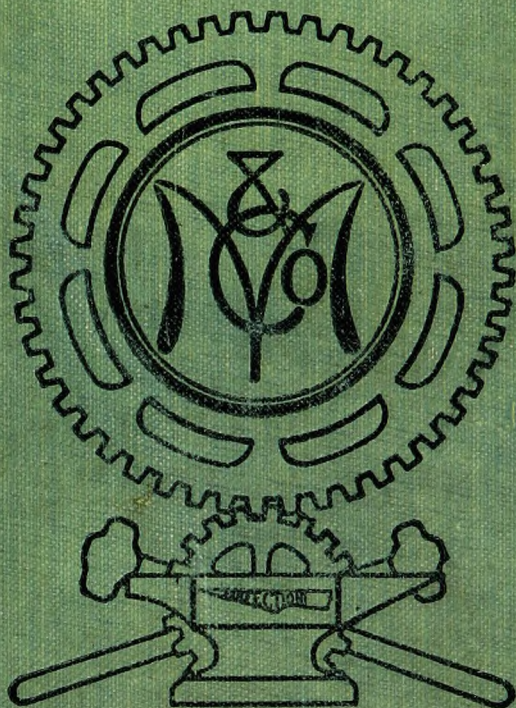


V. MUELLER & CO CHICAGO

1775 to 1781 Ogden Avenue



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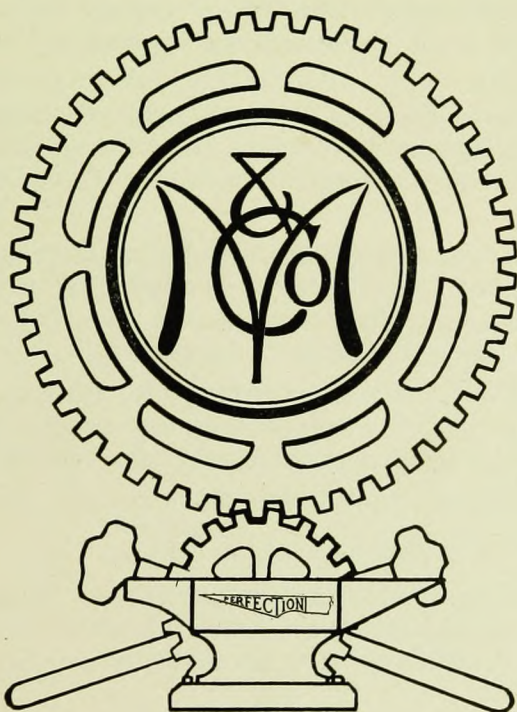
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MAKERS
OF
SURGICAL INSTRUMENTS

HOSPITAL AND OFFICE FURNITURE
DEFORMITY APPARATUS AND PHYSICIANS' SUPPLIES

To the Medical Profession

[1911 ?]




IT AFFORDS us much pleasure to present to the profession this, the second edition of our General Catalogue, illustrating surgical instruments, office and hospital equipment, orthopedic appliances, sick-room supplies, electro-medical and X-Ray apparatus.

The liberal support, which has been accorded us by the American physician, has demonstrated to us that the average professional man of today desires, first of all, instruments and apparatus of the best possible design and quality.

We, therefore, have spared no labor and expense in compiling this catalogue and in securing from the World's market for our customers, the best of everything which goes to complete the armamentarium of the physician and surgeon.

The members of our firm are practical surgical instrument makers and trained salesmen, who have made this business a life study, having had their training with the foremost firms in this line, both in Europe and America, before starting in business for themselves.

As evidence of this, it is, with not a little pride, that we call attention to the number of instruments of new and popular design which have been placed on the market by us since our last catalogue was published.

All of our goods are marked with the firm name, V. MUELLER & COMPANY, or our private trade mark 

Having close business relations with practically all the better known instrument makers in Germany, Austria, France, England, etc., we are able to secure instruments which may have but recently appeared in Europe, in the least possible time.

We maintain a thoroughly modern shop and a corps of skilled instrument makers, so our facilities for the manufacture of special instruments are of the best. At intervals we shall issue bulletins containing illustrations and descriptions of such new instruments and devices as may be invented and prove to be of value to the Medical Profession.

Respectfully,

V. MUELLER & COMPANY



Hist
RD76
V55

Suggestions to our Customers



IN ORDER to facilitate the prompt filling of orders, please give full name, address and shipping directions, name of article, section letter and number. In sending us instruments for repairs, please be sure that your name appears on the package.

To those who have established credit with us, or upon receipt of satisfactory references, we will gladly submit instruments for inspection, provided that the purchaser agrees to pay transportation charges both ways, guarantees safe return of the goods and goods returned for credit are sent to us within 15 DAYS FROM DATE OF INVOICE.

Please mention whether the goods are to be shipped by mail, express or freight, otherwise we will use our judgment as to the method of shipment.

Our goods are thoroughly examined and carefully packed before leaving our establishment. They should reach their destination in perfect condition. Our responsibility ceases when goods are delivered to the carrier in good order, except on insured mail packages.

Owing to the frequent loss of parcels sent by mail, and the resulting loss to our customers therefrom, we have arranged for package insurance on all mail matter on the following terms, which insure against loss by fire, theft or any other cause. For packages valued at \$5.00 or less, by ordinary mail, five cents; for packages over \$5.00 and less than \$10.00, by ordinary mail, ten cents; packages over \$10.00 in value should be registered, when the rate of insurance would be five cents up to \$25.00 in value. All mail packages, unless otherwise requested, will be insured by us, and the insurance added to the regular postage.

When an express or freight shipment is received in bad order, claim should be made at once by applying to the local agent of the transportation company before reporting to us.

Search all packing carefully before claiming damages.

All remittances should be made by draft, money order, or express order. When money is sent in any other way, the amount of the exchange should be added.

Order of Contents

<p>Eye, Ear, Nasal, Oral, Tonsil, Laryngeal, Bronchial, Oesophageal and Stomach Instruments.</p> <p>Section "M"</p>	<p>Pages 5 to 222</p>
<p>Anaesthetic Apparatus, General Operating, Laparotomy, Gynaecological and Obstetric Instruments. Physician's Leather Goods.</p> <p>Section "N"</p>	<p>Pages 223 to 382</p>
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<p>Osteological Preparations, Laboratory Apparatus and Glass Ware. Diagnostic Instruments and Apparatus. Microscopes and Microscopic Accessories. Dissecting and Post-Mortem Instruments. Apparatus for Cupping and Leeching. Apparatus for Blood and Urine Analysis. Syringes for Aspiration and Injection.</p> <p>Section "P"</p>	<p>Pages 449 to 508</p>
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<p>Galvanic and Faradic Apparatus, Vibrators, Sinusoidal Apparatus. Medico-Mechanical Gymnastic Apparatus, Therapeutic Lamps, Bath Cabinets, X-Ray and High Frequency Apparatus, X-Ray Accessories, Etc.</p> <p>Section "S"</p>	<p>Pages 575 to 634</p>
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Section "M"

Eye

Ear

Nasal

Oral

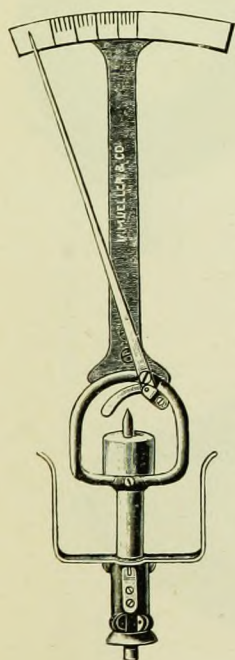
Tonsil

Laryngeal

Bronchial

Oesophageal

and Stomach Instruments



M-1

SCHIÖTZ TONOMETER

The Schiötz tonometer has been extensively used in European clinics for the past 3 or 4 years, and in this country in the clinics of Drs. Weeks, de Schweinitz, Marpole, Knapp, Gradle and Brown.

Slight increases of intraocular tension and questionable differences in tension between the two eyes can be more accurately determined with this instrument than with the fingers. Indications for operation and treatment for glaucoma are thereby made more definite and certain, and the final results of such operations and treatment upon the tension of the eye can be more accurately and unquestionably determined.

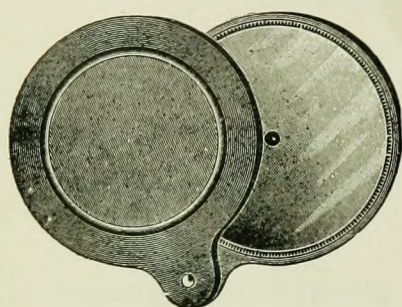
These instruments are imported by us from the makers in Denmark and we are assured that each one has the approval of Prof. Schiötz before being sent from his shop.



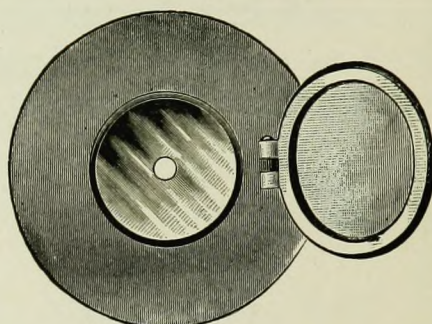
M-1A

- M-1 Schiötz' tonometer, complete with all attachments including Fisher's forceps for handling the weights, net.....\$30 00
- M-1A Forceps, W. A. Fisher's, for handling the weights used in connection with the Schiötz' tonometer 1 50

Do not mutilate catalogue.—Specify section letter and number in ordering.



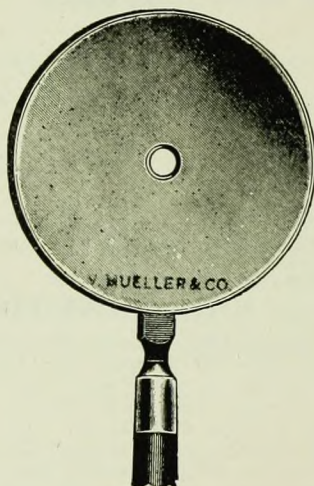
M-5



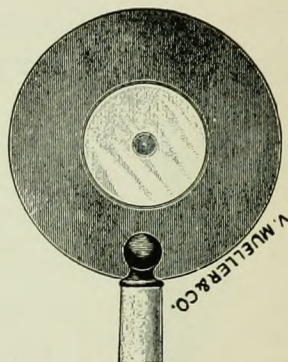
M-10



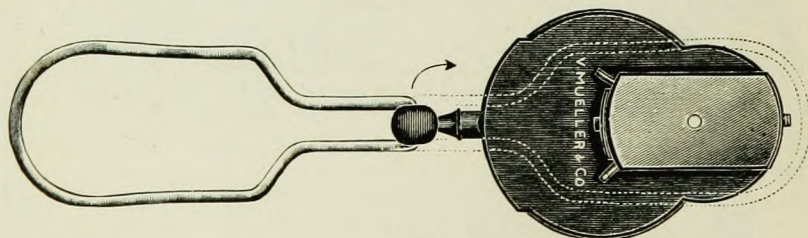
M-20



M-15



M-25

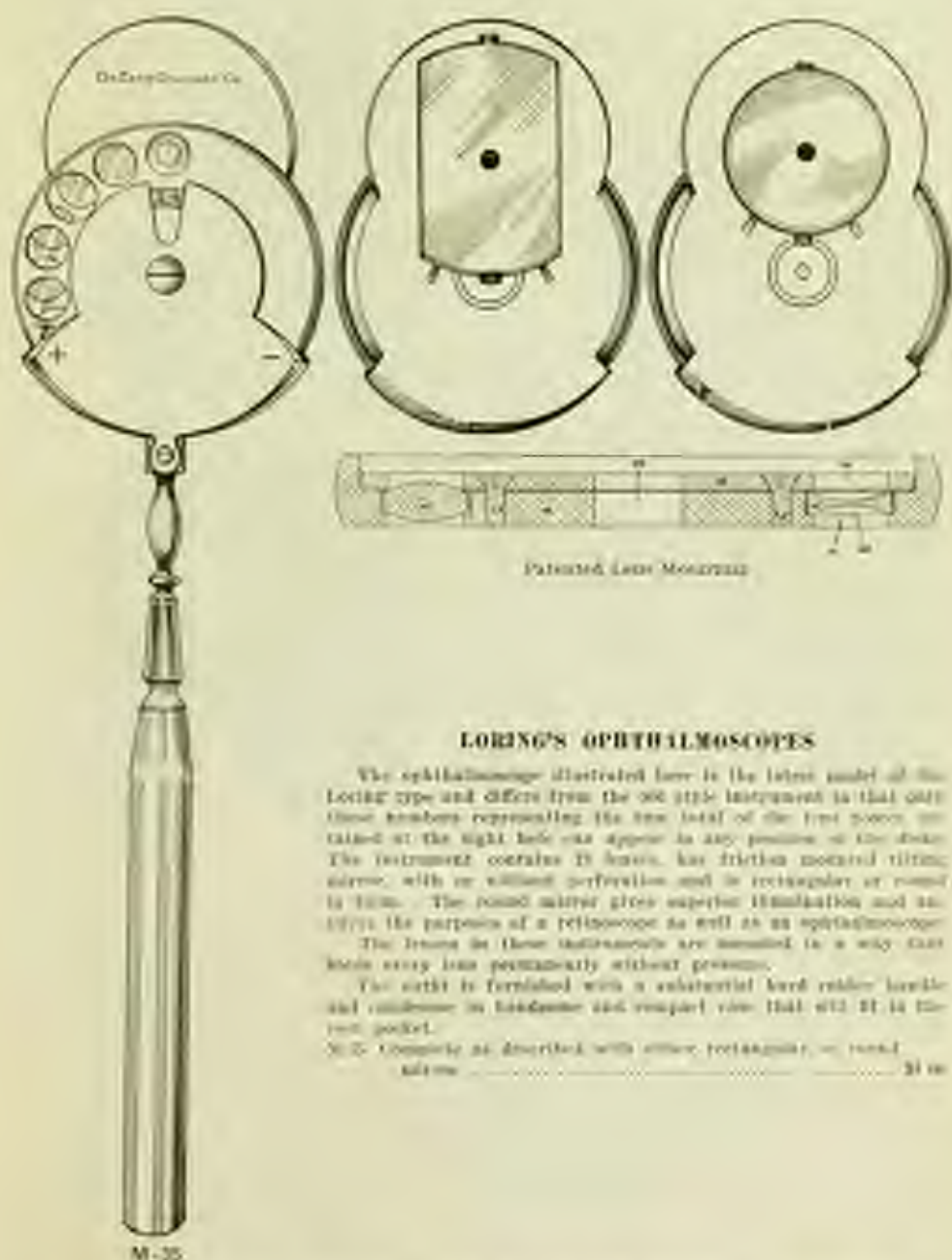


M-30

RETINOSCOPES AND OPHTHALMOSCOPES

M-5	Folding retinoscope with plano or cc. mirror, $1\frac{3}{4}$ in.	\$1 00
M-10	Folding retinoscope, plano mirror, $\frac{3}{4}$ in. diameter, Thorington's.	1 50
M-15	Folding retinoscope, plano or cc. mirror, 2 in. diameter.	1 00
M-20	Retinoscope, plano or cc. mirror, 2 in. with plain handle.	1 00
M-25	Retinoscope, Thorington's, plano mirror, $\frac{3}{4}$ in. diameter.	1 00
M-30	Ophthalmoscope, Loring's, with folding handle as suggested by Dr W. E. Gamble.	6 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



LORING'S OPHTHALMOSCOPES

The ophthalmoscope illustrated here is the latest model of the Loring type and differs from the old style instrument in that only those members representing the true focal of the first power are retained at the right hole and appear in any position in the field. The instrument contains 15 lenses, has friction mounted tilting mirror, with or without perforation and is rectangular or round in form. The round mirror gives superior illumination and is useful for the purpose of a retinoscope as well as an ophthalmoscope.

The lenses in these instruments are mounted in a way that keeps every lens permanently without pressure.

The work is furnished with a substantial hard rubber handle and combines in handness and compact size that will fit in the coat pocket.

No. 25—Complete as described with mirror, rectangular, or round
 mirror \$1.00



ELECTRIC OPHTHALMOSCOPES AND RETINOSCOPES

M-40 De Zeng Electric Ophthalmoscope. Has the best arrangement of 13 lenses, all of which are held by a patented metallic lens fastening. It has the full round mirror and can be used in either daylight or darkness, gives a field of view much more brilliantly illuminated than that obtained by other means. For bedside use and for looking into eyes having small pupils this instrument is invaluable. Complete in case with two carbon lamps. \$15.00

M-45 De Zeng Electric Ophthalmoscope, same as described under M-40 but with the standard handle battery and one Tangston lamp, \$10.00; same with Jumbo handle battery \$12.50

M-45A De Zeng Electric Ophthalmoscope. Has antireflex mirror, universal light adjustment, Jumbo handle battery, double lens locked disk and Tangston lamp. Complete in case. \$17.50

M-50 De Zeng Electric Retinoscope. Gives a much greater illumination than that acquired by any other means and the responsive movement of the reflex is therefore plainly seen in darkly pigmented eyes having the smallest pupils. Retinoscopy can be practiced with it in the open reflecting room. Complete with two carbon standard lamps in case. \$12.50

M-50A De Zeng Electric Retinoscope, same as described under M-50 but with a standard handle battery and one Tangston lamp, \$10.00; same with Jumbo handle battery \$12.50

M-50B De Zeng Electric Retinoscope. Has Brimmed Vision battery, plane mirror, Tangston lamp and Jumbo handle battery. Complete. \$10.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-65

MORTON OPHTHALMOSCOPE

This popular form of the Morton ophthalmoscope, now being sold by us, embodies all of the distinctive features of the latest and best English made instrument, together with a number of important additions and improvements.

Every lens which this ophthalmoscope contains is held to a metal fastening and not by cement.

The instrument contains twenty-nine lenses and has an auxiliary disk with four supplementary lenses. It has three adjustably mounted mirrors, a small and large concave of three and ten inches focus, respectively, and a large plane mirror. The handle contains pupilometer and color test as shown. All of the bearings are of increased dimensions and like the spectacle, are made of steel.

M-65 Complete as described with condenser in compact Morton's case.....	\$22 50
M-65A Same as M-65 but with plain handle.....	25 00
M-65B Same as M-65 but without the plane mirror.....	20 00
M-65C Ophthalmoscope, Morton's, American model.....	15 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-65

M-66

M-73

ELECTRIC OPHTHALMOSCOPES AND TRANSILLUMINATORS

The *Martin Ophthalmoscope* with electric attachment, is the same instrument in every detail as described on the previous page under M-32, with the exception that it is arranged for use with the electric current the same as the De Zeeb electric ophthalmoscope M-66. M-65 Complete in case with two extra lamps, \$25.00

Wiedemann's Transilluminator is about the size of a fountain pen, and so small that it does not get hot. It is very useful for detection of foreign bodies, the study of the condition of the iris, the circumference zone in glaucoma and nasal disease and for differential diagnosis between serious detachment, simple cataracts and intracapsular tumors. The glass tip can be placed against the eye lids or the conjunctiva with or without the use of cocaine. It is likewise useful for transillumination of the frontal sinus.

M-66 Complete in case \$25.00

Vossy's Illuminator for testing the pupil. The tip of this instrument is adaptable to the handle of either the De Zeeb electric ophthalmoscope or the Wiedemann transilluminator. M-73 Complete in case with two 1/2 volt lamps \$25.00

Tip only with two lamps for use on the ophthalmoscope or Wiedemann's transilluminator \$5.00

Tip only without lamp 2.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-75

SETS OF ELECTRICALLY LIGHTED EYE EXAMINING INSTRUMENTS

The set of instruments illustrated above contains the De Zeeb's electric ophthalmoscope, electric retinoscope and Wiedemann's transilluminator, all lighted from one pair of yards with interchangeable contact plug. Two extra lamps accompany each instrument.

M-75 Set complete as shown in illustration.....	\$20.00
M-75A Set containing ophthalmoscope and retinoscope.....	25.00
M-75B Set containing ophthalmoscope and Wiedemann's transillumination.....	25.00
M-75C Set containing retinoscope and Wiedemann's transillumination.....	25.00

The accessories for supplying the electric current such as current socket controller or batteries are extra.

Do not mutilate catalogue.—Specify section letter and number in ordering.



M. 84



M. 90



M. 85

PERIMETERS, OPHTHALMOMETERS, ETC.

The Standard Perimeter contains the valuable points of the Landolt and Priestly Smith perimeters. It has a thumb adjustable chin rest, clip for determining the fixation point, the measuring chart holder and sight hole through the center of relation. A holder and three separate disks of 2 mm. apertures, containing white, red, green, blue and yellow arc-wires. It also contains each right and left.

M. 86 Complete as described and illustrated..... \$25.00

M. 86A Standard perimeter same as described under M. 86 but with the new 100 Zong chart carrier giving all of the apertures and colors of the Millard's perimeter..... 22.00

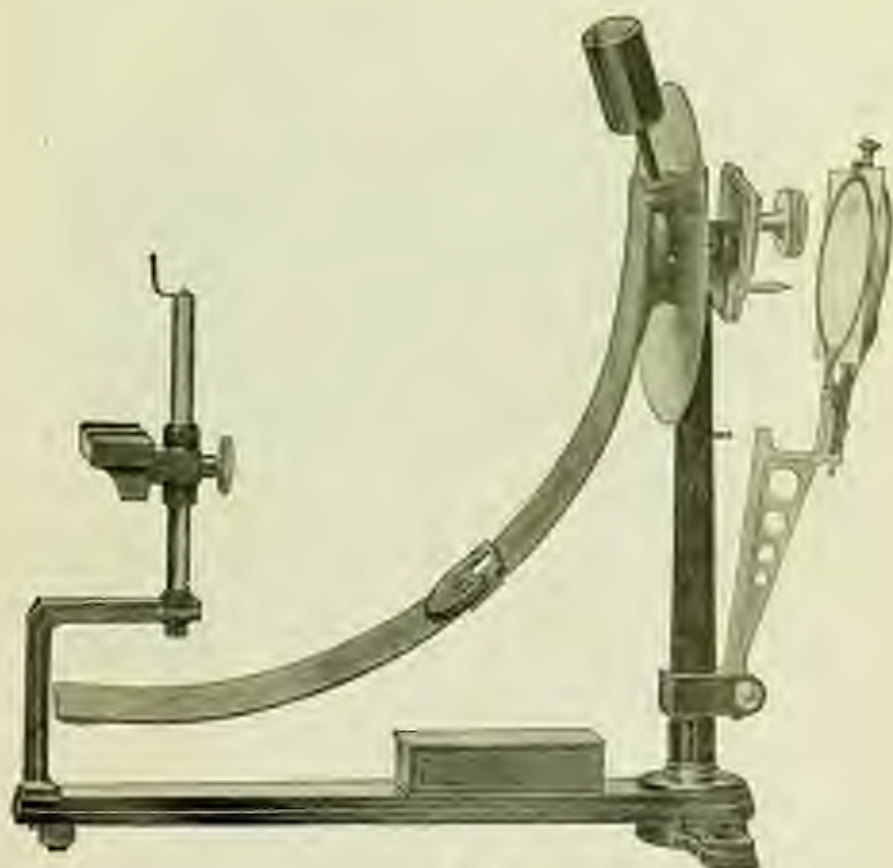
The C. I. ophthalmometer. This ophthalmometer is constructed with movable prisms, a compensating graduation of the scale on the wheel makes it a novelty in construction of its type.

M. 87 Complete with transilluminated wires for use as O.D. instrument..... 300.00

M. 88 The C. I. ophthalmometer, for use with battery instead of city electric light source, with battery..... 70.00

M. 89 Ophthalmometer table, heavy metal base..... 15.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



M. 95

THE McHARDY PERIMETER

SELF-ILLUMINATING IN MODEL.

In connection with the revolving graduated quadrant of one-third of a meter this instrument has a most perfect recording mechanism. A steel point follows every motion of the test object, which is adjustable to the required size and color, and which is caused to travel along the arc by cords connected with the mechanism controlled by the large milled head at the back. The chart is held in the adjustable support of angle steel, as shown, and is pressed against the projecting steel point by a spring. There is no hard rubber used in this instrument, the arc and dial being made of metal. It contains five colors and has 15.50 and 15 millimeter apertures and passes beneath the point of fixation, enabling the operator thereby to take a complete central field with any size test object. It has an adjustable magnifying glass and an improved Eddis clip at top of support for holding the eye correctly at all times.

M.M. Complete, with 25 charts, \$10.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-100

COMBINED OPTOMETER AND PHOROMETER

This instrument is a perfect combination of the well known phoropter and a binocular quadruplet series of plus and minus spherical lenses, mounted in right disk form. The lenses are all 1 inch in diameter, are accurately ground and centered and may be brought into operative position separately or in combination as desired. The plus members range from zero to 20 D in subdivisions of rights and quarters, while the minus extend to 12 D in similar subdivisions.

For rapid and accurate work this instrument meets the requirements exactly, for it contains an extensive range of standard focal equivalents, any one of which can be obtained in an instant. It is invaluable for orthometry, muscle testing and muscle exercise, when equipped with two rotary prisms. It is regularly made for the 14 in. size, but can be adapted to hold 16 in. trial lenses when required.

M 100 Complete with metal bracket, base and ocular fixture	\$100.00
M 100A Same as M 100 but with two rotary prisms (a pair on either side)	112.50
M 100B Same as M 100 but with De Zeng's rotary cross cylinder added	115.00
M 100C Same as M 100A but with the addition of De Zeng's rotary cross cylinder	117.50

See our full-size catalogue.—Specify section letter and number in ordering.



M-105

IMPROVED PHOTO-OPTOMETER

For refraction and astigmatism work.

This instrument is a unique combination of the revolving three-rod gear driven trial frame, the Risley double rotary prism of 30 degrees, the multiple red maddox rod, the Storzess photometer with spirit level, and a graduated adjustable near point test, all so arranged as to be used separately or collectively as desired. The adjustments for pupillary distances, cylinder axis, and prism powers are all accurately and plainly graduated in white on black and are fitted in dust-tight housings.

M-105 Complete with wall bracket, base stand, or chair fixture..... \$100.00
 M-105A Same as M-105 but with a pair of Risley prisms on each side..... \$125.00

Do not mistake catalogue—Specify section letter and number in ordering.



M-112

DR. W. A. FISHER'S OPHTHALMOSCOPIC EYE MODEL

This model is mounted on a heavy base, well made and nicely finished. It is provided with an iris diaphragm, so that any size of pupil may be produced, and accompanying each eye are twenty-four retinas, representing two normal and twenty-two diseased conditions. These retinas are mounted in rings as shown in illustration and represent the following conditions:

- | | |
|---|--|
| 1. Normal fundus dark. | 11. Glaucoma. |
| 2. Normal fundus light. | 12. Hemorrhagic glaucoma. |
| 3. Central choroiditis. | 13. Glaucoma with atrophy. |
| 4. Detachment of retina. | 14. Exudate. |
| 5. Retinitis pigmentosa. | 15. Rupture of choroid. |
| 6. Embolism central retinal artery. | 16. Optic nerve lesion. |
| 7. Posterior staphyloma with choroiditis. | 17. Exudative choroiditis. |
| 8. Myopic crescent. | 18. Coloboma of the choroid. |
| 9. Flattened disk. | 19. Central choroiditis (slight). |
| 10. Neuroretinitis. | 20. Retinitis pigmentosa with retinal atrophy. |
| 11. Papilledema hemorrhagic. | 21. Optic atrophy. |
| 12. Sarcoma of choroid. | 22. Retinitis atrophicans. |

M-112 Ophthalmoscopic eye, as illustrated and described..... \$ 00

N. B.—Attention is directed to Dr. Fisher's chart, which shows all the above described conditions reproduced in colors, price..... \$ 50



M-115



M-125

SCHEMATIC EYES.

Thorburn's Schematic eye complete with the new De Zeng variable pupil and axis attachment. The graduations upon the telescopic portion of this eye, are true representations of the varying degrees of hypermetropia and myopia. A cylindrical lens can be placed at any desired angle before the eye by means of the clear cut degree scale fixed upon the double cell for holding two lenses. The eye is made of metal, hemispherical and well finished.

M-115 Complete as shown..... \$2.50
 M-125 Schematic eye, made of brass, well finished..... 1.50
 M-135 Schematic eye. Also improved cone system on 1/4-inch impact with lens..... 2.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-130



M-100



M-140



M-125

CONDENSING LENSES AND BINOCULAR LOUPES

- M-120 Condensing lens, adjustable, Perry's, for oblique illumination or magnification \$2.00
- M-121 Binocular loupes, Perry's, for examination and operation upon the eye 2.00
- M-122 Binocular loupes, Perry's, attached to either metal or elastic head band 2.00
- M-123 Glass condensing lens, 2 in. diameter, 2 1/2 in. focus, metal rim, and handle in leather or cloth 1.00
- M-124 Condensing lens, Wood's, 2 1/2 in. diameter, 2 1/2 in. focus, with wide rubber ring to protect surface of the glass \$1.00



M-123



M-124

M-125 Binocular loupes, Perry's, attached to elastic head light. The loupes can be removed from the head light when not needed for eye work, and the lamp is one of the best of this type for nose and throat work.

Complete set illustrated.

\$5.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



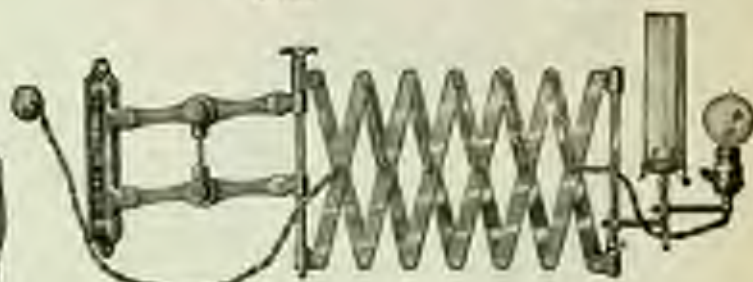
M-200



M-205



M-215



M-212

ILLUMINATING APPARATUS, ETC.

M-200 Country electric light stand. Complete including 8 ft. cord, lamp and attachment plate \$10.00

M-205 Extension bracket. All sizes. Can be extended 18 in. and raised or lowered in all 22 inches. For gas with standard burner, chimney and tubing 5.00

M-206 Extension bracket. All sizes. For electric light with 32 or 24 C. P. screwing lamp and metal socket 10.00

M-207 Extension bracket. All sizes. For both gas and electric light including all attachments 12.00

M-212 Extension bracket. Har-
dy's. 18 in. 22 in. 24 in. 26 in.
For gas or electric light,
or both combined with
attachments same as
M-207. Prices: 22.50,
24.00 and 25.50

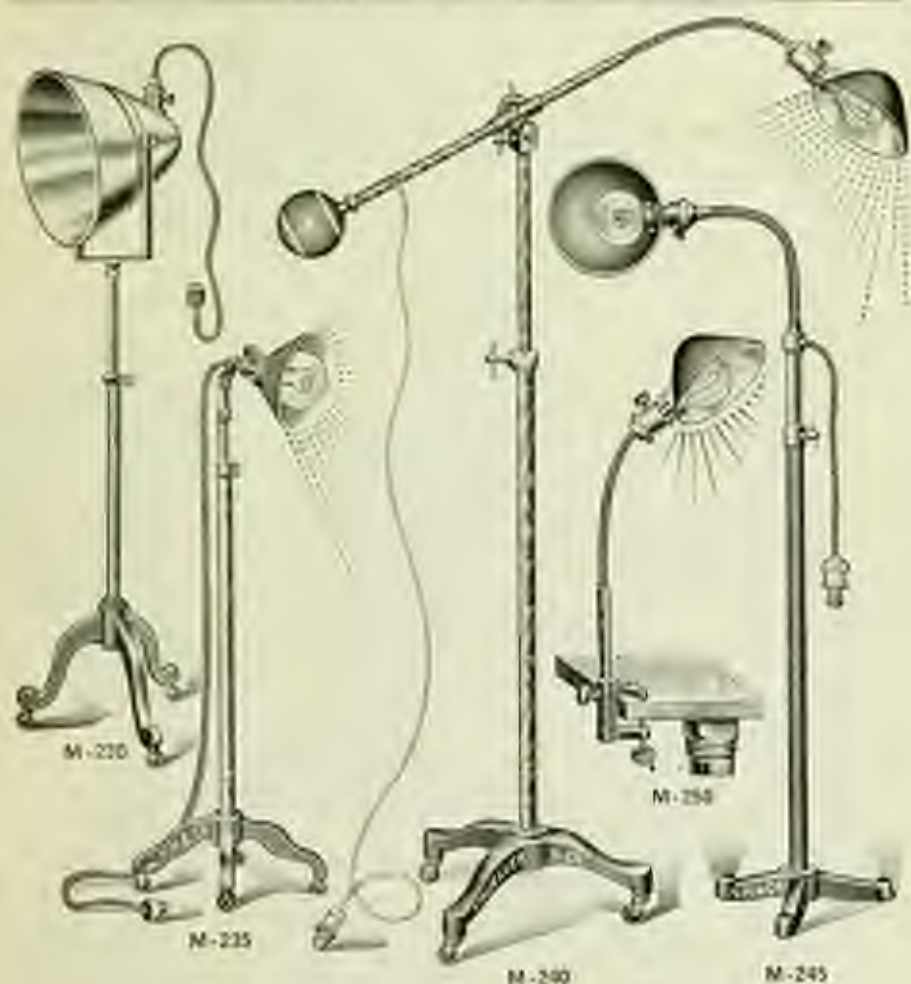


M-225

M-221 Edison's electric condenser. Medium size, 31.50; large size, 33.00; extra large size, 34.50
M-222 Edison's lamp with spiral filament. 15 and 25 C. P., each 21.00; 30 C. P., 22.50; 35 C. P., 24.00

Manufacturers & Transportation Co.'s will not guarantee safe delivery of spiral filament lamps. We are therefore compelled to ship them at the purchaser's risk.

Do not mutilate catalogue.—Specify section letter and number in ordering.



PORTABLE ELECTRIC LIGHT STANDS

- M-220 Electric parabolic reflector, mounted on a strong adjustable stand with heavy base and reflector. It is fitted with a high candle power lamp. Diameter of reflector 19 in. 20 00
- M-225 Electric disseminating stand, adjustable as to height and arranged so that it can be turned in every direction. Complete as illustrated. 17 50
- M-240 The Eye and Ear Infirmary portable electric light stand is so constructed that the light can be placed where it is needed and in such a way that the stand proper is not in the way of the operator, assistants or spectators. It is principally intended for the use in the eye, ear, nose and throat operating room. The stand has a heavy base to make it firm, the square portion has a flexible arm on one side and on the other side a counter weight. The base is finished in black, the interior of the stand is oxidized copper. 20 00
- Complete, including 50 C. P. Edison incandescence lamp. 20 00
- M-245 Electric light stand, adjustable with flexible arm. Complete, as illustrated. 12 50
- M-255 Electric disseminating apparatus, Dr. J. W. Beck's. This is so arranged that it can be attached to any operating table or operating chair. The upper portion is of flexible material and the shaft itself can be turned in every direction. Comes complete with cable, 20 C. P. Edison incandescence lamp and parabolic reflector. 12 50

Do not mistake catalogue.—Specify section letter and number in ordering.



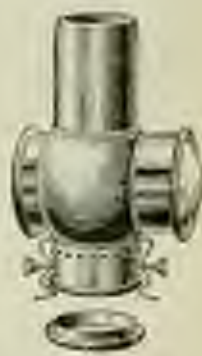
M-260



M-265



M-270



M-275

ILLUMINATING APPARATUS —Continued—

- M-266 Gas burner, brass, painted with Argand burner and chimney..... \$1.00
 M-268 Gas burner, brass, with Argand burner, 12 inches, and chimney..... 5.00
 M-269 Burner, brass, with McKim's gas condenser..... 1.00
 M-271 Burner, brass, with Argand burner, 12 inches, and McKim's condenser as illustrated..... 1.00
 M-273 Burner, McKim's, for

gasoline lamp..... 1.00
 M-274 Burner, McKim's, large size for use with Williams' or electric light..... 1.25
 When ordering condenser, please note whether intended for alcohol lamp, gas or electric light, so we can send you the proper fitting for condenser.

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-280



M-285



M-290



M-295



M-300



M-305

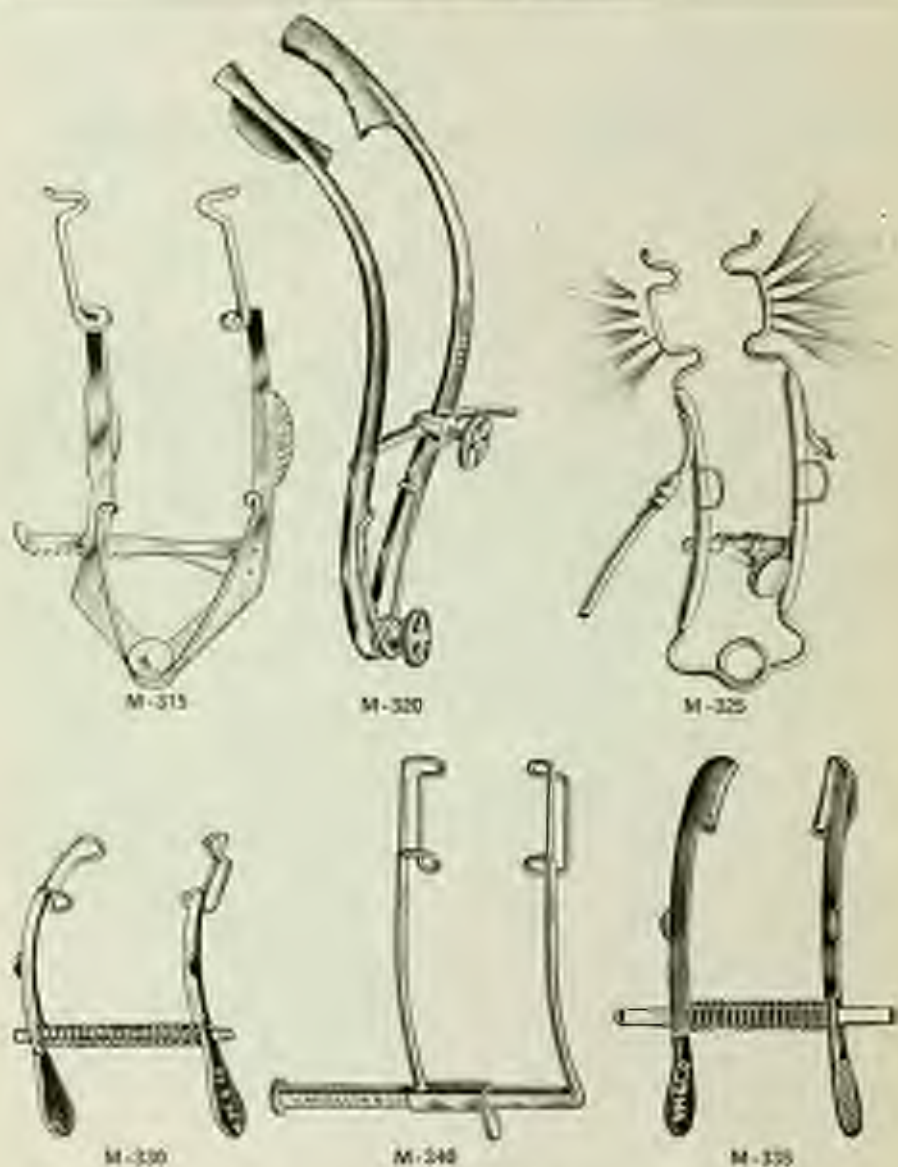


M-310

LENS MEASURES, EYE SHADES, ETC.

M-311	Eye shades, White's, with metal rim, per dozen	\$1.00
M-312	Eye shades, Smear, made of translucent celluloid, and has rubber band to be around the head, dozen	.75
M-313	Eye shades, Kistner's, with automatic collapsible head band, translucent celluloid, dozen	1.00
M-314	Lens measure, Henson's, latest model	1.00
M-315	Refractometer, Kistner's. This system will give all of the system's equivalent from 0 to 10 degrees	2.50
M-316	Refractometer, Thurlington's latest model	1.00
M-317	Refractometer, with color perception and color blindness, complete in box, with directions	1.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



EYE SPECULA

M-315	Eye speculum, Klemm's	.....
M-320	Eye speculum, Lemp's, illustrating artificial star, heavily gold plated	.....
M-325A	Eye speculum, Lemp's, same as M-320 but with blades transposed	.....
M-325	Eye speculum, Pilling's, iridectom	.....
M-330	Eye speculum, Schlegel's, made of German silver	.....
M-335	Eye speculum, Beard's, with gold blades, made of German silver	.....
M-340	Eye speculum, Martin's, made of steel	.....
M-345	Eye speculum, Stevens's, adjustable, not illustrated	.....
M-350	Eye speculum, with air, not illustrated	.....

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-355



M-366



M-365



M-370



M-375



M-380



M-395

EYE SPECULA—Continued

M-355	Eye speculum, Kessler's	11.00
M-366	Eye speculum, Ziegler's	1.00
M-365	Eye speculum, Knapp's	1.00
M-370	Eye speculum, Von Graefe's	1.25
M-375	Eye speculum, Major Smith's	2.00
M-380	Eye speculum, Blomfield's	1.75
M-395	Eye speculum, Noyes'	1.75
M-400	Eye speculum, Weber's	1.75



M-400



DESCRIPTION OF EYE KNIVES AND METHOD OF PACKING

The eye instruments illustrated above, Figures A and C, are actual size (two handles are made of pure aluminum and therefore very light, which is considered a great advantage by many eye specialists in this country). Handles made of ivory, bone or German silver will be furnished to order.

All of our eye knives when shipped are packed in sealed boxes as shown in Fig. B. This method of packing eye knives is original with our firm and has proven a great success. Each knife is placed into its individual box and sealed with the blade in each view after being bowed by an expert. When the boxes are sealed in this way, the specialist is assured that the blades have not been tampered with since final bowing.

When selecting knives please look for our trade mark "Perfection" on the box.

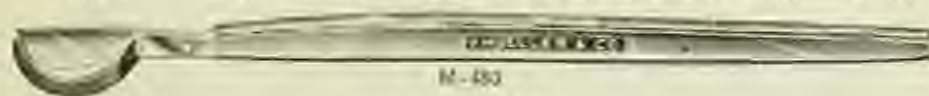
Do not mutilate catalogue.—Specify section letter and number in ordering.



M-395 M-395A M-395B M-395C M-400 M-405 M-410 M-415 M-420 M-425 M-430



M-435 M-440 M-445 M-450 M-455 M-460 M-465 M-470 M-475

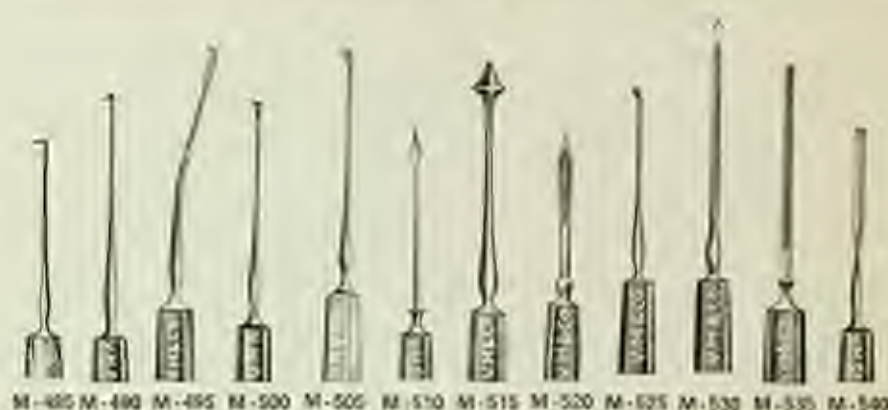


M-480

EYE KNIVES

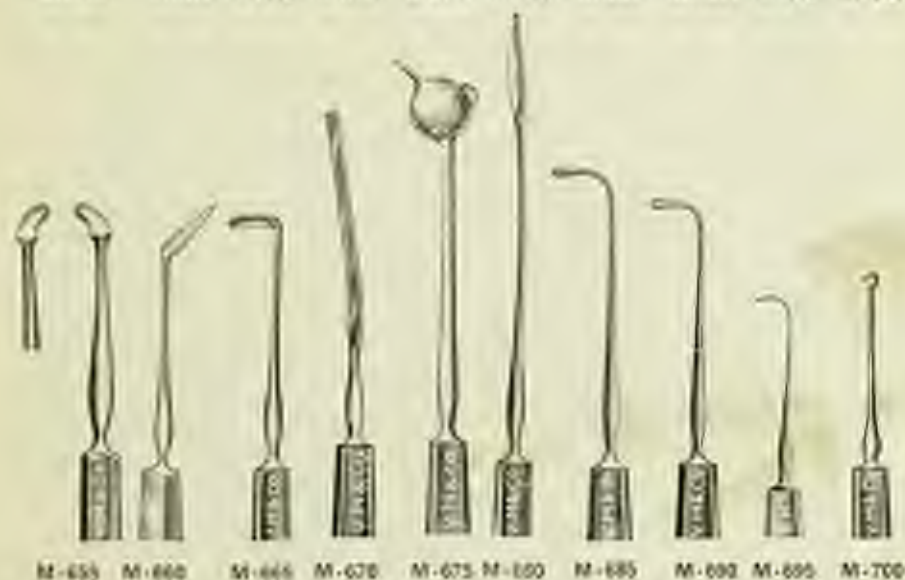
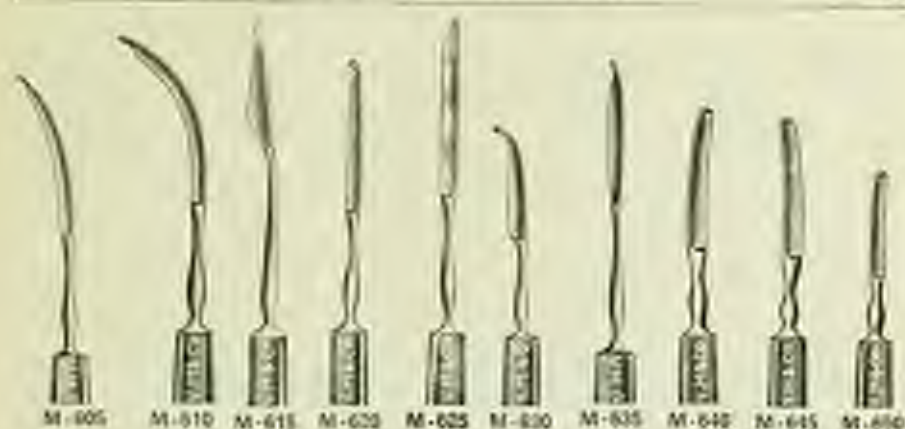
M-395	Cataract knife, Von Graefe's extra narrow	12 1/2
M-395A	Cataract knife, Von Graefe's, small	12 1/2
M-395B	Cataract knife, Von Graefe's, medium	12 1/2
M-395C	Cataract knife, Von Graefe's, large	12 1/2
M-400	Cataract knife, Knapp's	12 1/2
M-405	Cataract knife, Green's, straight edge, two sharp ends	12 1/2
M-410	Cataract knife, Jackson's	12 1/2
M-415	Cataract knife, Manoy's	12 1/2
M-420	Cataract knife, Down's, three-armed, back	12 1/2
M-425	Schroeder's knife, Deschamps's, double edge	12 1/2
M-430	Prone polar cataract knife, Black's, for entering the incision	12 1/2
M-435	Krasnow's, Landolt's, made in three sizes, each	12 1/2
M-440	Krasnow's, Jager's, straight, made in three sizes, each	12 1/2
M-445	Krasnow's, Jager's, angular, made in three sizes, each	12 1/2
M-450	Edwards's knife, Callahan's	12 1/2
M-455	Lid knife, Green's	12 1/2
M-460	Scalpel, for lid operation, convex end, two sharp ends	12 1/2
M-465	Scalpel, for lid operation, convex, made in three sizes, each	12 1/2
M-470	Flanigan's, convex, sharp pointed	12 1/2
M-475	Krasnow's, Greenwald's, prone pointed for entering the primary incision	12 1/2
M-480	Lid knife, DeWolf's, with center	12 1/2

Do not mutilate catalogue.—Specify section letter and number in ordering.



EYE KNIVES, ETC.—Continued

M-485	Cystotome, with handle point	11
M-495	Cystotome, Von Graefe's	11
M-505	Cystotome, Knapp's	11
M-515	Cystotome, Walker's	11
M-525	Cystotome, Berd's	11
M-535	Cataract needle, plain	11
M-545	Paracentesis needle, apex pointed with stop	11
M-555	Needle, grooved, Walker's, for soft cataract	11
M-565	Knife, apod. La. Perce's, for foreign body	11
M-575	Gauge, Traufner, Todd's, for foreign body	11
M-585	Needle, grooved, for foreign body	11
M-595	Spod. lat's, for foreign body	11
M-600	Knife, needle, Berd's. This is made same shape as a narrow cataract knife, but the cutting edge extends back only 5 mm. from the point.	11
M-550	Knife, needle, Von Graefe's, sickle shape	11
M-560	Knife, needle, Knapp's, made in two sizes, each	11
M-570	Broad needle, Fick	11
M-580	Knife for drifting membrane, Post's	11
M-590	Twist knife, Lang's, sharp pointed	11
M-600	Twist knife, Lang's, blunt pointed	11
M-555	Iris knife, Zenger's, made in two sizes, each	11
M-565	Iris knife, Noble's	11
M-575	Iris knife, Goltzweil's	11
M-585	Iris needle, Bowman's, with stop	11
M-600	Capsulotome, Berd's	11



EYE KNIVES, ETC.—Continued

M-605	Cannula knife, Weber's, curved	M-695	Needle, eye, curved
M-610	Cannula knife, Weber's, full curved	M-700	Needle, eye, straight
M-615	Cannula knife, Schmidt's		
M-620	Cannula knife, Weber's, straight		
M-625	Cannula knife, Meyer's, straight		
M-630	Cannula knife, Nissen's		
M-635	Cannula knife, Agnew's		
M-640	Secondary knife, Desmarres, curved		
M-645	Secondary knife, Desmarres, curved		
M-650	Secondary knife, Desmarres, straight		
M-655	Pharyngeal knife, Young's, right and left, each		
M-660	Pharyngeal knife, McKee's		
M-665	Pharyngeal knife, Fisher's		
M-670	Knife for eye, double operation, Meyer's		
M-675	Eye, rubber, Wadsworth's		
M-680	Cannula knife, Agnew's, long sharp		
M-685	Cannula knife, Youn's, large		
M-690	Cannula knife, Youn's, small		
M-695	Needle, eye, curved		
M-700	Needle, eye, straight		

Do not mutilate catalogue.—Specify section letter and number in ordering.

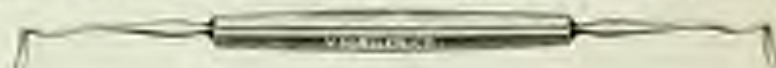


M-890A

KNIVES, SCALPES, RETRACTORS, ETC.

M-870	Exploration knife, Denker's	11 34
M-875	Exploration knife, Monod's	11 34
M-880	Exploration knife, Denker's	11 34
M-885	Exploration knife, Denker's	11 34
M-890	Exploration knife, Denker's	11 34
M-895	Exploration knife, Denker's	11 34
M-885	Exploration knife, Denker's	11 34
M-886	Exploration knife, Denker's	11 34
M-887	Exploration knife, Denker's	11 34
M-888	Exploration knife, Denker's	11 34
M-889	Exploration knife, Denker's	11 34
M-890	Exploration knife, Denker's	11 34
M-895	Exploration knife, Denker's	11 34
M-890A	Exploration knife, Denker's	11 34

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-935

EYE OPERATING INSTRUMENTS

M-906	Eye lid retractor, Fisher's, beveled.	\$1.15
M-907	Eye lid retractor, Fisher's, with acid blades.	1.00
M-908	Double end spatula, Green's modification of Major Smith's.	2.00
M-909	Spatula and pressure probe, Green's, probe of silver.	2.00
M-910	Lid retractor hook, Green's modification of Major Smith's, probe and of silver.	1.50
M-911	Tressman hook, Green's modification of Major Smith's, probe and of silver.	1.50
M-912	Iris spatula and hook, Knapp's, made of silver.	2.00
M-913	Calibrated knife, Green's, employed in the so-called Indian operation, made in two sizes, each.	1.00
M-914	Lens extractor, Berge's, double ended.	2.00
M-915	Capote forceps, Mathieu's, for use in Indian operation.	2.00
M-916	Fixation forceps, Green's, for use in Indian operation, one and two teeth, M-917; two and three teeth.	1.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-945



M-940



M-950



M-955



M-960



M-965



M-970



M-975



M-980



M-985



M-990



M-995



M-1000



M-1005

FIXATION AND CAPSULE FORCEPS

M-950	Fixation forceps, Beard's.....	\$1.00	M-995	Capsule forceps, Swapp's.....	\$1.00
M-955	Fixation forceps, with catch, G.F.F.	1.25	M-990	Capsule forceps, Swapp's.....	1.50
	fixed, new model.....	1.25	M-985	Capsule forceps, Fisher's, new	2.00
M-960	Fixation forceps, Von Graefe's.....	1.25		model.....	2.00
M-965	Fixation forceps, with catch, Von	1.25	M-1000	Capsule forceps, Swapp's latest	1.00
	Graefe's, straight, 31 1/2; curved.....	1.25		model.....	1.00
M-970	Fixation forceps, Dudley's.....	1.25	M-1005	Capsule forceps, Francis' very	4.00
M-975	Fixation forceps, Fisher's.....	1.25		delicate model.....	4.00
M-980	Capsule forceps, Fisher's.....	1.50			

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-1010



M-1015



M-1020



M-1025



M-1030



M-1035



M-1040



M-1045



M-1050



M-1055



M-1060



M-1065

STRAUBER'S AND HIS FORCES

M-1010	Tri. forceps, two fingers, heavy	1.00
M-1015	Tri. forceps, two fingers, heavy	1.00
M-1020	Tri. forceps, two fingers, heavy	1.00
M-1025	Tri. forceps, two fingers, heavy	1.00
M-1030	Tri. forceps, two fingers, heavy	1.00
M-1035	Tri. forceps, two fingers, heavy	1.00
M-1040	Tri. forceps, two fingers, heavy	1.00
M-1045	Tri. forceps, two fingers, heavy	1.00
M-1050	Tri. forceps, two fingers, heavy	1.00
M-1055	Tri. forceps, two fingers, heavy	1.00
M-1060	Tri. forceps, two fingers, heavy	1.00
M-1065	Tri. forceps, two fingers, heavy	1.00

M-1010	Tri. forceps, curved	1.00
M-1015	Tri. forceps, curved	1.00
M-1020	Tri. forceps, curved	1.00
M-1025	Tri. forceps, curved	1.00
M-1030	Tri. forceps, curved	1.00
M-1035	Tri. forceps, curved	1.00
M-1040	Tri. forceps, curved	1.00
M-1045	Tri. forceps, curved	1.00
M-1050	Tri. forceps, curved	1.00
M-1055	Tri. forceps, curved	1.00
M-1060	Tri. forceps, curved	1.00
M-1065	Tri. forceps, curved	1.00



M-1070



M-1075



M-1080



M-1085



M-1090



M-1095



M-1100



M-1105



M-1110



M-1115

TRACHOMA FORCEPS

M-1070	Trachoma forceps, Wilk's	1	12	M-1085	Trachoma forceps, Noyes	1	12
M-1075	Trachoma forceps, Hefz	1	12	M-1090	Trachoma forceps, Kahle's, No. 1	1	12
M-1080	Trachoma forceps, Knapp's original model	1	12	M-1100	Trachoma forceps, Kahle's, No. 2	1	12
M-1085	Trachoma forceps, Knapp's improved model	1	12	M-1105	Trachoma forceps, Kahle's, No. 3	1	12
				M-1110	Trachoma forceps, Kahle's, No. 4	1	12
				M-1115	Trachoma forceps, Kahle's, No. 5	1	12

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-1120



M-1125



M-1130



M-1135



M-1140



M-1145



M-1150



M-1155



M-1160



M-1165



M-1170

ADVANCEMENT AND CHALAZION FORCEPS, ETC.

M-1120	Pterygium forceps, McBurney's	\$1.00	M-1140	Chalazion forceps, Ayres'	\$1.00
M-1125	Advancement forceps, Hogg's	1.00	M-1150	Chalazion forceps, Francis'	1.00
M-1130	Advancement forceps, Palmer's	1.00	M-1155	Chalazion forceps, Wiener's	1.00
	English model	1.00	M-1160	Chalazion forceps, Spencer's	1.00
M-1135	Advancement forceps, Trigg's	1.00	M-1165	Chalazion forceps, Lamborn's	1.00
	regular	1.00	M-1170	Chalazion forceps, Hunt's	1.00
M-1140	Advancement forceps, Stevenson's	1.00			

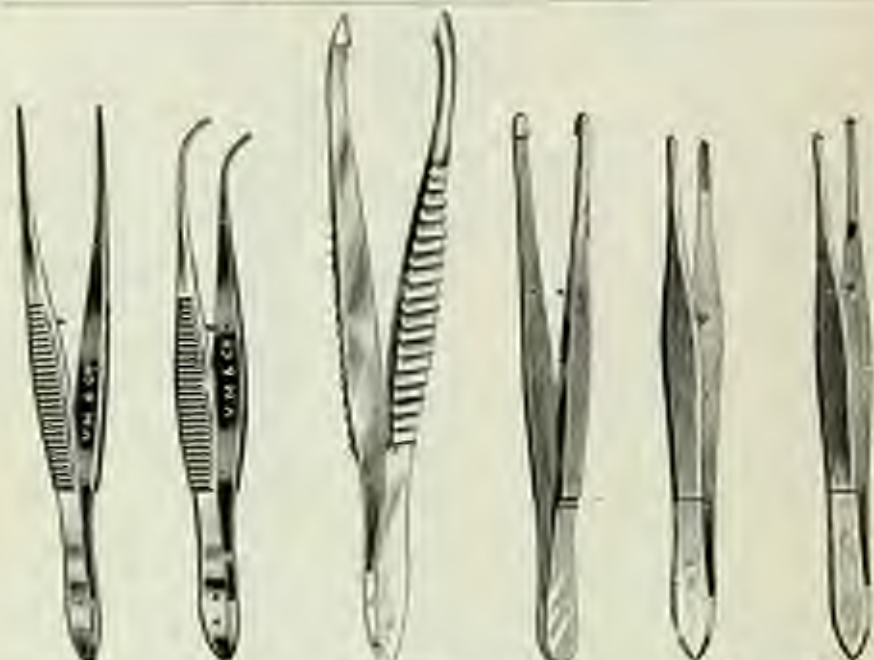
Do not mutilate catalogue.—Specify section letter and number in ordering.



ENTROPION FORCEPS AND LID CLAMPS

M-1175	Entropion forceps, Frost's, reversible	\$3.50	M-1205	Lid clamp, Haskin's	\$1.50
M-1180	Entropion forceps, Lawson's, H. and L. each	2.00	M-1195	Lid clamp, Ziegler's, for cautery purposes	2.00
M-1185	Entropion forceps, Lawson's	2.00	M-1215	Entropion forceps, Wilson's, adjustable	5.00
M-1190	Entropion forceps, Desmarres	1.50	M-1220	Entropion forceps, Haskin's, in test model	4.50
M-1195	Lid clamp, Wood's	2.00			
M-1200	Lid clamp, Wieders	2.50			

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-1238

M-1239

M-1240

M-1245

M-1250

M-1255



M-1260

M-1265

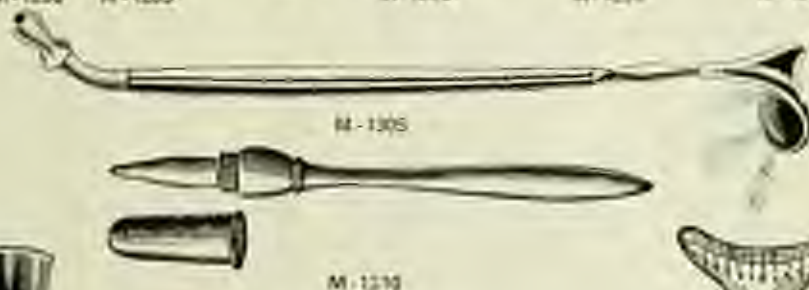
M-1270

M-1275

DRESSING, CELLA AND ARTERY FORCEPS

M-1238	Dressing forceps, straight, serrated	40	M-1245	Artery forceps, Jones' curved, grade	70
M-1239	Dressing forceps, curved, serrated	40	M-1250	Artery forceps, Jones' curved, grade	70
M-1240	Artery forceps, straight, serrated	40	M-1255	Artery forceps, straight, serrated, serrated on both teeth	70
M-1245	Artery forceps, straight, serrated	40			
M-1250	Artery forceps, straight, serrated	40			
M-1255	Artery forceps, straight, serrated	40			

Do not mutilate catalogue—Specify section letter and number in ordering.

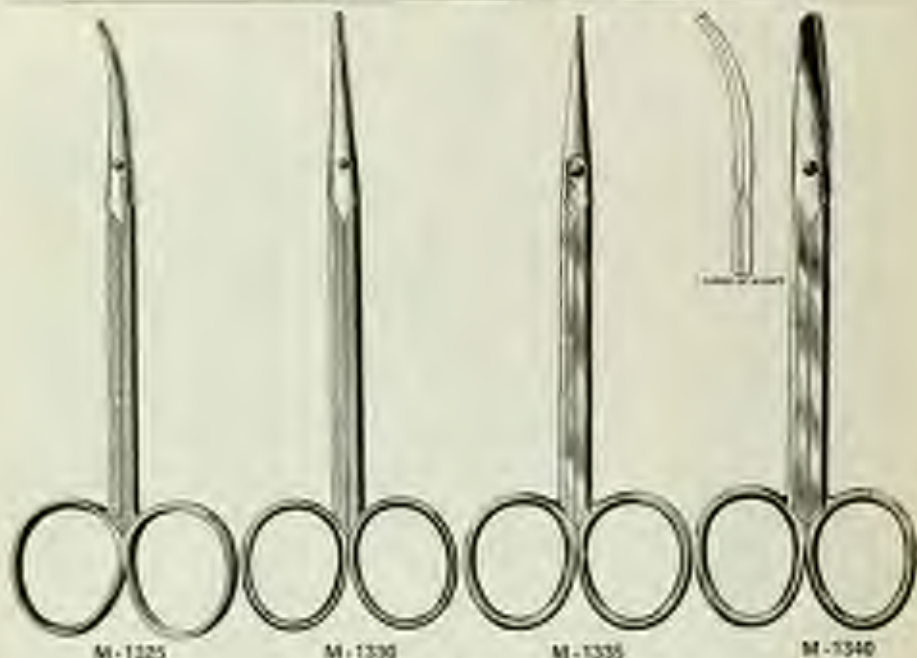


EYE INSTRUMENTS

M-1280	Retractor, long, double, Fisk's	12 50
M-1281	Retractor, long, double, Fisk's	2 50
M-1282	Retractor, long, double, Fisk's	1 75
M-1283	Retractor, long, double, Fisk's	2 00
M-1284	Retractor, long, double, Fisk's	2 00
M-1285	Retractor, long, double, Fisk's	2 00
M-1286	Retractor, long, double, Fisk's	2 00
M-1287	Retractor, long, double, Fisk's	2 00
M-1288	Retractor, long, double, Fisk's	2 00
M-1289	Retractor, long, double, Fisk's	2 00
M-1290	Retractor, long, double, Fisk's	2 00

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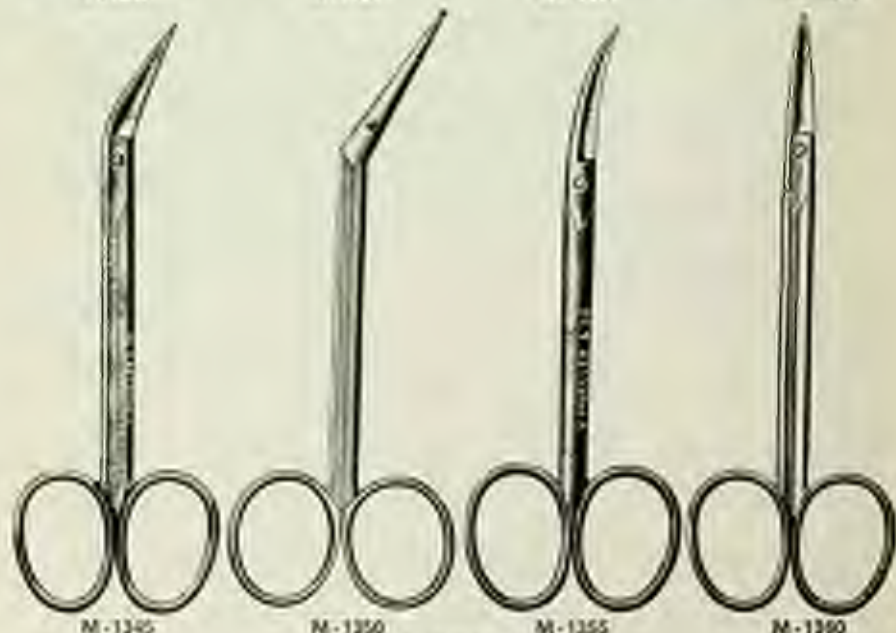


M-1325

M-1330

M-1335

M-1340



M-1345

M-1350

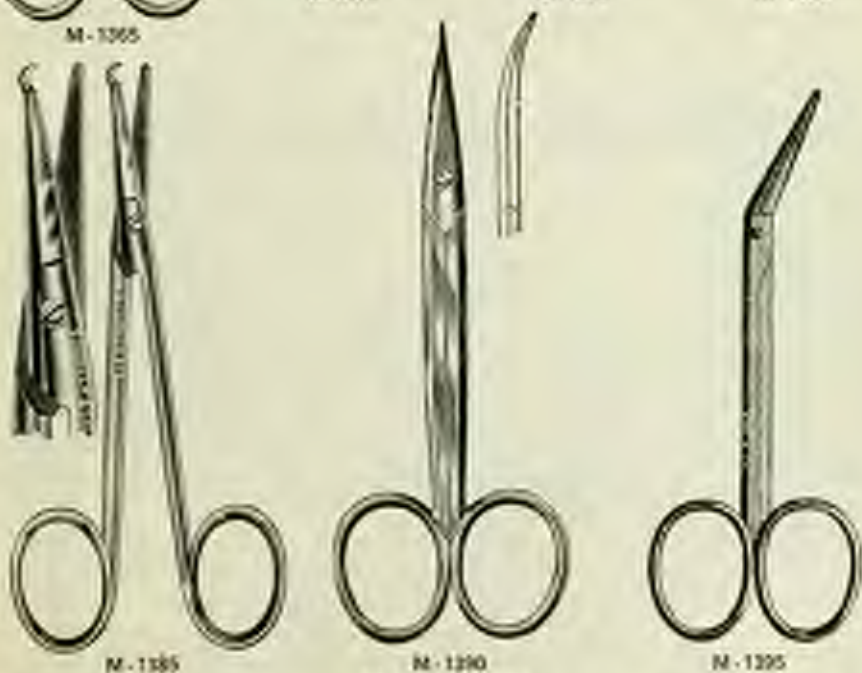
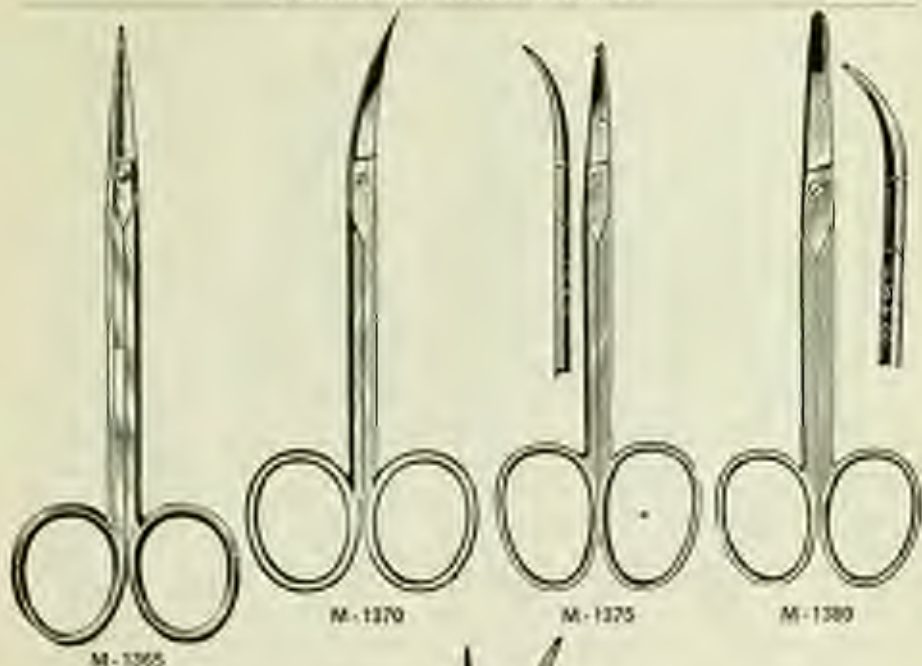
M-1355

M-1360

EYE SCISSORS

M-1325	Strabismus scissors, curved.....	\$1 15	M-1355	Strabismus scissors, similar, probe pointed.....	\$1 25
M-1330	Strabismus scissors, straight.....	1 15	M-1360	Strabismus scissors, curved, sharp pointed.....	1 35
M-1335	Strabismus scissors, probe point ed.....	1 15	M-1360	Strabismus scissors, straight, sharp point, ordinary.....	1 00
M-1340	Emulsifying scissors, slight curve.....	1 25			
M-1345	Iris scissors, curved.....	1 15			

Do not mutilate catalogue.—Specify section letter and number in ordering.



EYE SCISSORS

- | | | | |
|--|--------|--|------|
| M-1385 Iris scissors, straight, sharp pointed, two sizes light and heavy, each..... | \$1.50 | M-1390 Enucleation scissors, V. M. & Co.'s special pattern, acute curve..... | 1.25 |
| M-1390 Iris scissors, V. M. & Co.'s special pattern, delicate curved, sharp pointed..... | 1.50 | M-1395 Strabismic scissors, Spencer's..... | 1.50 |
| M-1395 Iris scissors, regular, curved..... | 1.50 | M-1396 Tenotomy scissors, Spencer's..... | 1.50 |
| | | M-1397 Iris scissors, angular..... | 1.50 |

Do not mutilate catalogues—Specify section letter and number in ordering.



M-1400



M-1405



M-1410



M-1415



M-1420



M-1425

EYE SCISSORS—Continued

M-1400	Tensionless scissors, Westcott's	21.00
M-1405	Iris scissors, Westcott's	4.00
M-1410	Iris scissors, Mathews's, straight	2.00
M-1415	Iris scissors, Mathews's, curved	2.00
M-1420	Stastrom's and general purpose scissors, Westcott's new model, straight	4.00
M-1425	Stastrom's and general purpose scissors, Westcott's new model, curved	4.00
M-1430	Iris scissors, Nagel	2.00
M-1435	Iris scissors, McNamee's	2.50
M-1440	Iris scissors, Dr. Walker's, made with stainless blades, each	3.25

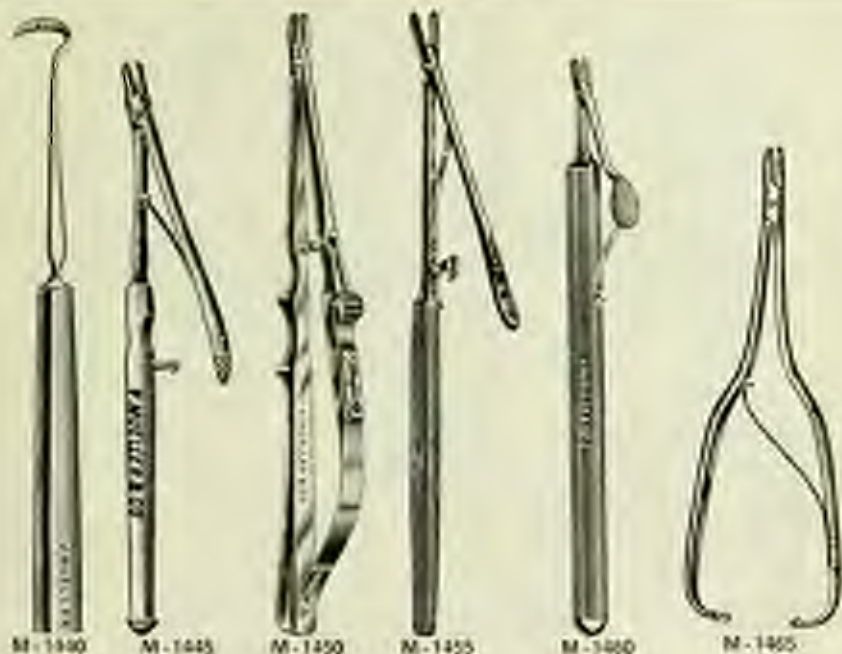
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M-1430



M-1435



M-1440

M-1445

M-1450

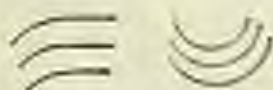
M-1455

M-1460

M-1465



M-1475



M-1470



M-1485

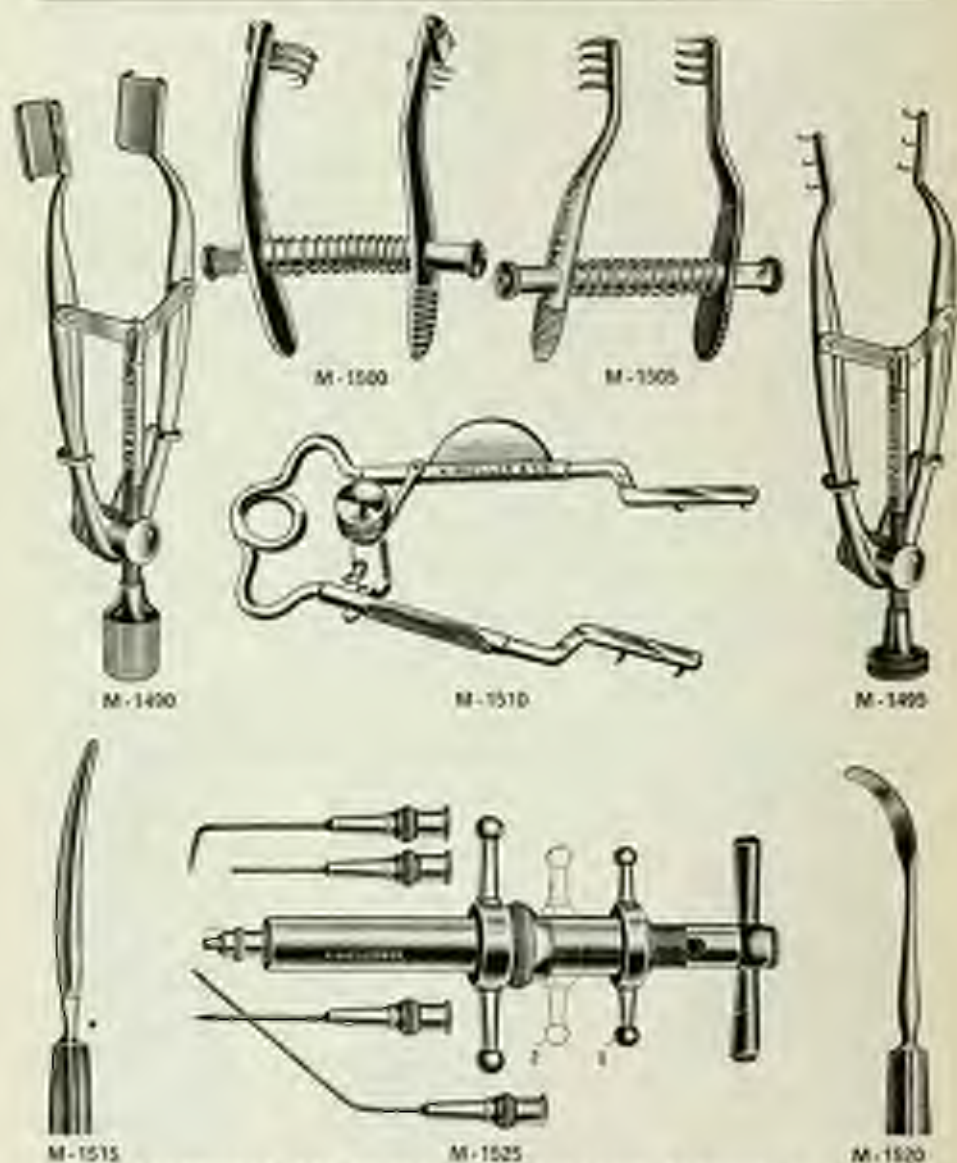


M-1490

NEEDLE HOLDERS, SUTURE MATERIAL, ETC.

M-1440	Straight needle holder, Woodhull's, right and left, each	\$1.75
M-1445	Needle holder, Knappe's	5.00
M-1450	Needle holder, Fisher's	2.00
M-1455	Needle holder, Stevens'	2.00
M-1460	Needle holder, Stevenson's	5.00
M-1465	Needle holder, Woodhull's	2.00
M-1470	Eye needles, half curved or full curved, regular, dozen	4.00
	Pair of eye needles, dozen	1.00
M-1475	Silk, iron dyed, on cards, braided, each	1.00
	Twisted, each	.50
M-1485	Silk, iron dyed, three spools in sealed bottle	.60
M-1490	Oldest, plain or chromated, three spools in sealed bottle	.60
M-1495	Four drams, hard rubber, large size including test kit	.50

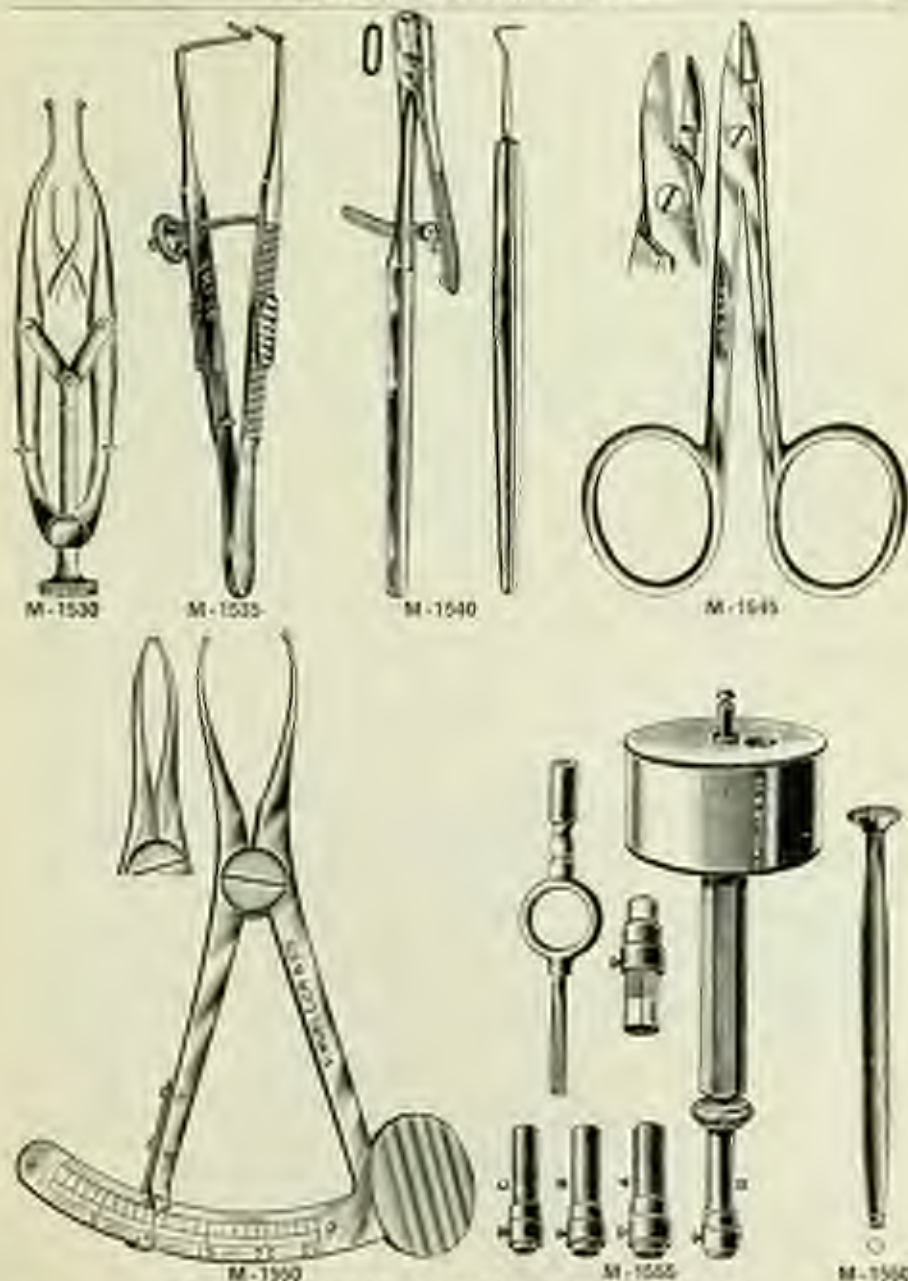
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LACHRYMAL SAC RETRACTORS, PARAFFIN SYRINGE, ETC.

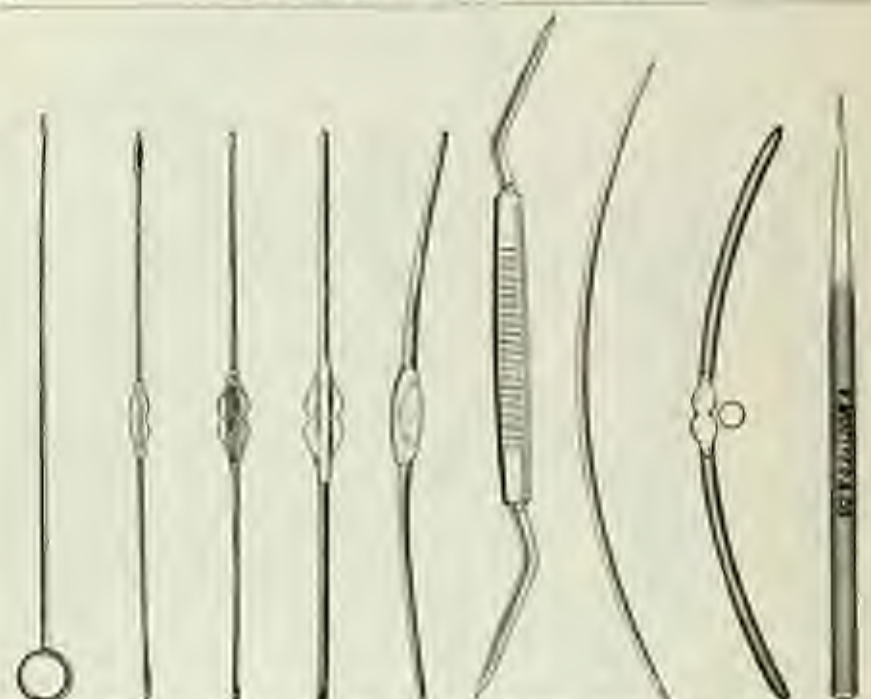
M-1490	Lachrymal sac retractor, Steinmann's latest model	\$1.00
M-1495	Lachrymal sac retractor, Steinmann's original model	\$1.00
M-1500	Lachrymal sac retractor, Alcock's	\$1.00
M-1505	Lachrymal sac retractor, Wilber's	\$1.00
M-1495	Lachrymal sac retractor, Mueller's (Vienna) gold plated	\$1.00
M-1515	Lachrymal sac retractor, Boeck's	\$1.00
M-1520	Lachrymal sac retractor, Wilber's	\$1.00
M-1525	Paraffin syringe, Beck-Mueller's, for injecting cold paraffin into the lachrymal sac and for plastic surgery on the nose, etc. With four canulas, in case	\$2.00

Do not mutilate catalogues.—Specify section letter and number in ordering.



TENDON TUCKERS, CORNEAL TREPHINES, ETC.

M-1532	Tendon tuck, Todd's	\$1.00
M-1533	Tendon tuck, Green's, right and left, each	2.50
M-1540	and M-1541 Tendon tuckers, May's, set of three instruments	50.00
M-1550	Strabismus, Woodruff's, new model, automatic, for measuring the degree of strabismus	6.50
M-1555	Corneal trephine, May's, the correct model from the original makers in Europe, set	22.50
M-1560	Corneal trephine, Bowman's, three sizes, each	5.00



M-1575 M-1580 M-1585 M-1590 M-1595 M-1600 M-1605 M-1610 M-1615



M-1620 M-1625 M-1630 M-1635 M-1640 M-1645 M-1650 M-1655

**NIJ = 1248-3**

LAUREYAL PROBES, DELAYERS, CASULAS, ETC.

M 127	Lachrymal	probe, Jew's	2-3
M 128	Lachrymal	probe, Williams, right stem, neck	1-2
M 129	Lachrymal	probe, "his", up stem, neck	1-2
M 130	Lachrymal	probe, Bowman's, plated, 30 ft., silver	45
M 131	Lachrymal	diater, Weber's, plated	45
M 132	Lachrymal	diater, Knicker's, double ended	1-2
M 133	Lachrymal	diater, Ziegler's, double ended, bar.	30
M 134	Lachrymal	probe, Thompson's, silver, silver stem, neck	20
M 135	Lachrymal	diater, Northing-Walker's, three silver, neck	20
M 136	Lachrymal	small, Fisher's, 2 and 1 each	45
M 137	Lachrymal	small, Fisher's, 2 and 1 each	45
M 138	Lachrymal	small, Fisher's, 2 and 1 each	45
M 139	Lachrymal	small, Fisher's, 2 and 1 each	45
M 140	Lachrymal	small, Fisher's, 2 and 1 each	45
M 141	Lachrymal	small, Fisher's, 2 and 1 each	45
M 142	Lachrymal	small, Fisher's, 2 and 1 each	45
M 143	Lachrymal	small, Fisher's, 2 and 1 each	45
M 144	Lachrymal	small, Fisher's, 2 and 1 each	45
M 145	Lachrymal	small, Fisher's, 2 and 1 each	45
M 146	Lachrymal	small, Fisher's, 2 and 1 each	45
M 147	Lachrymal	small, Fisher's, 2 and 1 each	45
M 148	Lachrymal	small, Fisher's, 2 and 1 each	45
M 149	Lachrymal	small, Fisher's, 2 and 1 each	45
M 150	Lachrymal	small, Fisher's, 2 and 1 each	45
M 151	Lachrymal	small, Fisher's, 2 and 1 each	45
M 152	Lachrymal	small, Fisher's, 2 and 1 each	45
M 153	Lachrymal	small, Fisher's, 2 and 1 each	45
M 154	Lachrymal	small, Fisher's, 2 and 1 each	45
M 155	Lachrymal	small, Fisher's, 2 and 1 each	45
M 156	Lachrymal	small, Fisher's, 2 and 1 each	45
M 157	Lachrymal	small, Fisher's, 2 and 1 each	45
M 158	Lachrymal	small, Fisher's, 2 and 1 each	45
M 159	Lachrymal	small, Fisher's, 2 and 1 each	45
M 160	Lachrymal	small, Fisher's, 2 and 1 each	45
M 161	Lachrymal	small, Fisher's, 2 and 1 each	45
M 162	Lachrymal	small, Fisher's, 2 and 1 each	45
M 163	Lachrymal	small, Fisher's, 2 and 1 each	45
M 164	Lachrymal	small, Fisher's, 2 and 1 each	45
M 165	Lachrymal	small, Fisher's, 2 and 1 each	45
M 166	Lachrymal	small, Fisher's, 2 and 1 each	45
M 167	Lachrymal	small, Fisher's, 2 and 1 each	45
M 168	Lachrymal	small, Fisher's, 2 and 1 each	45
M 169	Lachrymal	small, Fisher's, 2 and 1 each	45
M 170	Lachrymal	small, Fisher's, 2 and 1 each	45
M 171	Lachrymal	small, Fisher's, 2 and 1 each	45
M 172	Lachrymal	small, Fisher's, 2 and 1 each	45
M 173	Lachrymal	small, Fisher's, 2 and 1 each	45
M 174	Lachrymal	small, Fisher's, 2 and 1 each	45
M 175	Lachrymal	small, Fisher's, 2 and 1 each	45
M 176	Lachrymal	small, Fisher's, 2 and 1 each	45
M 177	Lachrymal	small, Fisher's, 2 and 1 each	45
M 178	Lachrymal	small, Fisher's, 2 and 1 each	45
M 179	Lachrymal	small, Fisher's, 2 and 1 each	45
M 180	Lachrymal	small, Fisher's, 2 and 1 each	45
M 181	Lachrymal	small, Fisher's, 2 and 1 each	45
M 182	Lachrymal	small, Fisher's, 2 and 1 each	45
M 183	Lachrymal	small, Fisher's, 2 and 1 each	45
M 184	Lachrymal	small, Fisher's, 2 and 1 each	45
M 185	Lachrymal	small, Fisher's, 2 and 1 each	45
M 186	Lachrymal	small, Fisher's, 2 and 1 each	45
M 187	Lachrymal	small, Fisher's, 2 and 1 each	45
M 188	Lachrymal	small, Fisher's, 2 and 1 each	45
M 189	Lachrymal	small, Fisher's, 2 and 1 each	45
M 190	Lachrymal	small, Fisher's, 2 and 1 each	45
M 191	Lachrymal	small, Fisher's, 2 and 1 each	45
M 192	Lachrymal	small, Fisher's, 2 and 1 each	45
M 193	Lachrymal	small, Fisher's, 2 and 1 each	45
M 194	Lachrymal	small, Fisher's, 2 and 1 each	45
M 195	Lachrymal	small, Fisher's, 2 and 1 each	45
M 196	Lachrymal	small, Fisher's, 2 and 1 each	45
M 197	Lachrymal	small, Fisher's, 2 and 1 each	45
M 198	Lachrymal	small, Fisher's, 2 and 1 each	45
M 199	Lachrymal	small, Fisher's, 2 and 1 each	45
M 200	Lachrymal	small, Fisher's, 2 and 1 each	45



M-1665



M-1670



M-1675



M-1680



M-1685



M-1690

LACHRYMAL SYRINGES

- | | | | | | |
|--------|--|-------|--------|--|-------|
| M 1665 | Lachrymal syringe, Wiede's, with hollow asbestos piston, with two points in case..... | \$ 15 | M 1685 | Lachrymal syringe, Sharp's, with two silver points, in case..... | \$ 20 |
| M 1670 | Lachrymal syringe, Deffridge's, with hollow asbestos in inert piston, three gold points in case..... | \$ 16 | M 1687 | Lachrymal syringe, V. Mueller & Co.'s, made entirely of metal with three gold points, in case..... | \$ 20 |
| M 1675 | Lachrymal syringe, "Keen's," with three gold points, in metal case..... | \$ 20 | M 1690 | Lachrymal syringe, Stereotome's, with hollow asbestos piston, three points, in case..... | \$ 20 |

Do not mistake catalogue.—Specify section letter and number in ordering.



M-1730

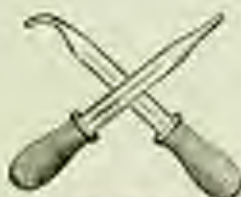
IRRIGATORS, DOUCHES, LEECHES, ETC.

M-1685	Lachrymal syringe, Cochran's	\$1.00
M-1720	Anterior chamber irrigator, Woodruff's	\$1.00
M-1700	Anterior chamber irrigator, Wilson's	\$1.00
M-1705	Anterior chamber irrigator, Lippincott's	\$1.00
M-1115	Artificial leech, V. Mueller & Co.'s, with hollow rubber pump, a reliable instrument	\$3.50
M-1725.4	Artificial leech, ordinary pattern	\$1.00
M-1728	Lachrymal clamp, Mueseler's	\$1.00
M-1725	Instrument for extracting soft cataract, Bowman's (not illustrated)	\$2.50
M-1730	Syringe for irrigating the anterior chamber, with gold point in case. This syringe has a capacity of 20 cc., is made entirely of glass and is reliable.	\$1.50
M-1735	and M-1740 Gold points for use on lachrymal syringes, with universal thread, each	\$1.00
M-1745	Lachrymal points, for use on syringes with slg. cal., each	\$1.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-1760



M-1765



M-1765



M-1790



M-1775



M-1785



M-1795

EYE IRRIGATORS, DROPPER BOTTLES, ETC.

M-1750	Irrigator, Kimwood's	10 00
M-1755	Eye droppers, curved and straight, angular, done	50
M-1760	Eye droppers, Eye and Ear Irrigatory pattern, not illustrated, extra large bulb and glass, done	1 00
M-1765	Irrigator, Todd's	1 00
M-1770	Eye dropper bottle, Pilling's, not illustrated	1 00
M-1775	Eye acid wash bottle, Egle's, large size	1 00
M-1780	Eye acid wash bottle, Egle's, small size	1 00
M-1785	Bottle described eye without label, with label	1 00



M-1800

M-1755	Dropper bottle, 1/2 oz. and 1 oz. 10 25 and	10 25
M-1760	Irrigating bottle, medium	1 00
M-1765	Dropper bottle, small with colored glass	1 00
M-1770	Eye bath, clear or blue glass, each	1 00

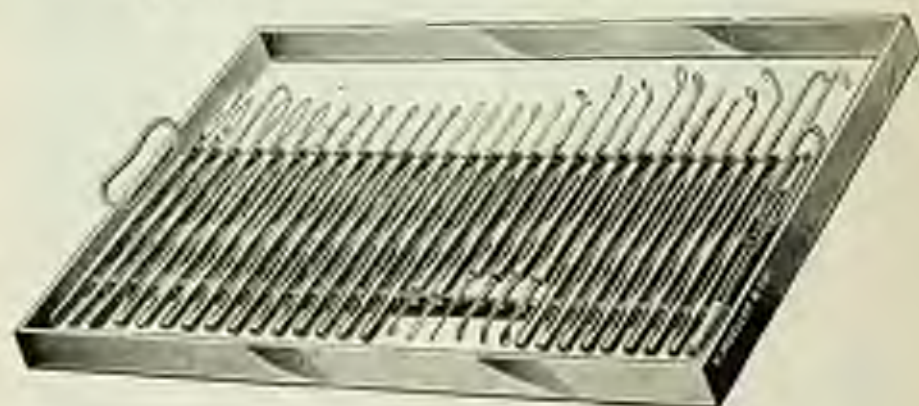
Do not mutilate catalogue.—Specify section letter and number in ordering.



M-1805



M-1805



M-3520

EYE INSTRUMENT CASES AND TRAYS

M 1805	Eye instrument case, made of metal, empty, to hold 6 knives, 12 1/2; 12 knives,...	\$1.50
M 1805A	Eye instrument case, made of metal, empty, to hold 6 knives, 12 1/2; 12 knives,...	7.50
M 1805B	Eye instrument case, made of metal, empty, to hold 6 knives, 12 1/2; 12 knives,...	7.50
M 1805C	Eye instrument case, made of metal, empty, to hold 6 knives, 12 1/2; 12 knives,...	7.50
M 1805D	Eye instrument case, made of metal, empty, to hold 6 knives, 12 1/2; 12 knives,...	7.50
M 1805E	Eye instrument case, made of metal, empty, to hold 6 knives, 12 1/2; 12 knives,...	7.50
M 1805F	Eye instrument case, made of metal, empty, to hold 6 knives, 12 1/2; 12 knives,...	7.50
M 1805G	Eye instrument case, made of metal, empty, to hold 6 knives, 12 1/2; 12 knives,...	7.50
M 1805H	Eye instrument case, made of metal, empty, to hold 6 knives, 12 1/2; 12 knives,...	7.50
M 1805I	Eye instrument case, made of metal, empty, to hold 6 knives, 12 1/2; 12 knives,...	7.50
M 1805J	Eye instrument case, made of metal, empty, to hold 6 knives, 12 1/2; 12 knives,...	7.50
M 1805K	Eye instrument case, made of metal, empty, to hold 6 knives, 12 1/2; 12 knives,...	7.50
M 1805L	Eye instrument case, made of metal, empty, to hold 6 knives, 12 1/2; 12 knives,...	7.50
M 1805M	Eye instrument case, made of metal, empty, to hold 6 knives, 12 1/2; 12 knives,...	7.50
M 1805N	Eye instrument case, made of metal, empty, to hold 6 knives, 12 1/2; 12 knives,...	7.50
M 1805O	Eye instrument case, made of metal, empty, to hold 6 knives, 12 1/2; 12 knives,...	7.50
M 1805P	Eye instrument case, made of metal, empty, to hold 6 knives, 12 1/2; 12 knives,...	7.50
M 1805Q	Eye instrument case, made of metal, empty, to hold 6 knives, 12 1/2; 12 knives,...	7.50
M 1805R	Eye instrument case, made of metal, empty, to hold 6 knives, 12 1/2; 12 knives,...	7.50
M 1805S	Eye instrument case, made of metal, empty, to hold 6 knives, 12 1/2; 12 knives,...	7.50
M 1805T	Eye instrument case, made of metal, empty, to hold 6 knives, 12 1/2; 12 knives,...	7.50
M 1805U	Eye instrument case, made of metal, empty, to hold 6 knives, 12 1/2; 12 knives,...	7.50
M 1805V	Eye instrument case, made of metal, empty, to hold 6 knives, 12 1/2; 12 knives,...	7.50
M 1805W	Eye instrument case, made of metal, empty, to hold 6 knives, 12 1/2; 12 knives,...	7.50
M 1805X	Eye instrument case, made of metal, empty, to hold 6 knives, 12 1/2; 12 knives,...	7.50
M 1805Y	Eye instrument case, made of metal, empty, to hold 6 knives, 12 1/2; 12 knives,...	7.50
M 1805Z	Eye instrument case, made of metal, empty, to hold 6 knives, 12 1/2; 12 knives,...	7.50

Do not mutilate catalogue.—Specify section letter and number in ordering.



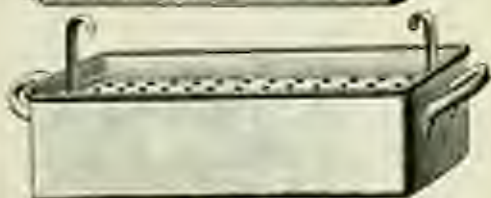
M-1830



M-1840



M-1845



M-1835



M-1850



M-1860



M-1870

STERILIZERS, INSTRUMENT TRAYS, ETC.

M-1830	For instrument sterilizer, portable, complete with long cord carrying case	\$5.00
M-305	Kre instrument sterilizer, Kre and Kre Infirmary pattern, made of silver, nickel plated	7.50
M-1840	Instrument tray, porcelain, with holes for instruments	2.00
M-1845	Instrument tray, white steel porcelain, for food	.40
M-1850	Instrument tray, with handle, for immersing instruments in tray with running solution and then pressing edge of the tray against the bottom of the tray, the bottom of the tray	5.00
M-1860	Glass box with cover, Brown's, for preserving eye specimens, etc.	2.00
M-1870	Solution cup, white steel porcelain, Kre and Kre Infirmary pattern, 2000, etc.	2.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-1875



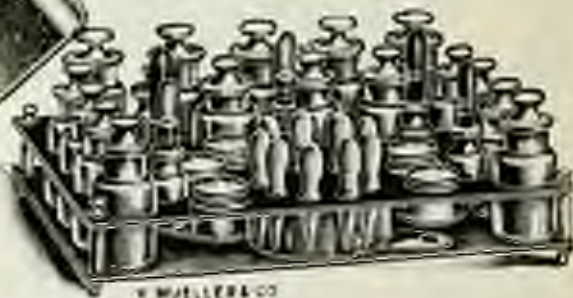
M-1883



M-1885



M-1890



M-1886

TREATMENT TRAYS AND CABINETS

M-1875	Treatment tray, Fisher's, for iodine use. Complete as illustrated.	\$5.50
M-1883	Treatment case, roll top pattern, complete including all glassware as illustrated. See for detailed description.	\$4.00
M-1885	Treatment tray, filling, without glassware.	1.00
M-1886	Treatment tray, without glassware, holding from 1 to 25 bottles, 12 in. to 18 in.	2.50
M-1890	Treatment tray, 5000's, with jars, droppers and bottles, in black, olive, amber or crystal. Tray silver plated or gold-plated, complete without cover.	5.00
	Cover extra.	2.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-1000



M-1005



M-1003



M-1005



M-1010



M-1015



M-1020

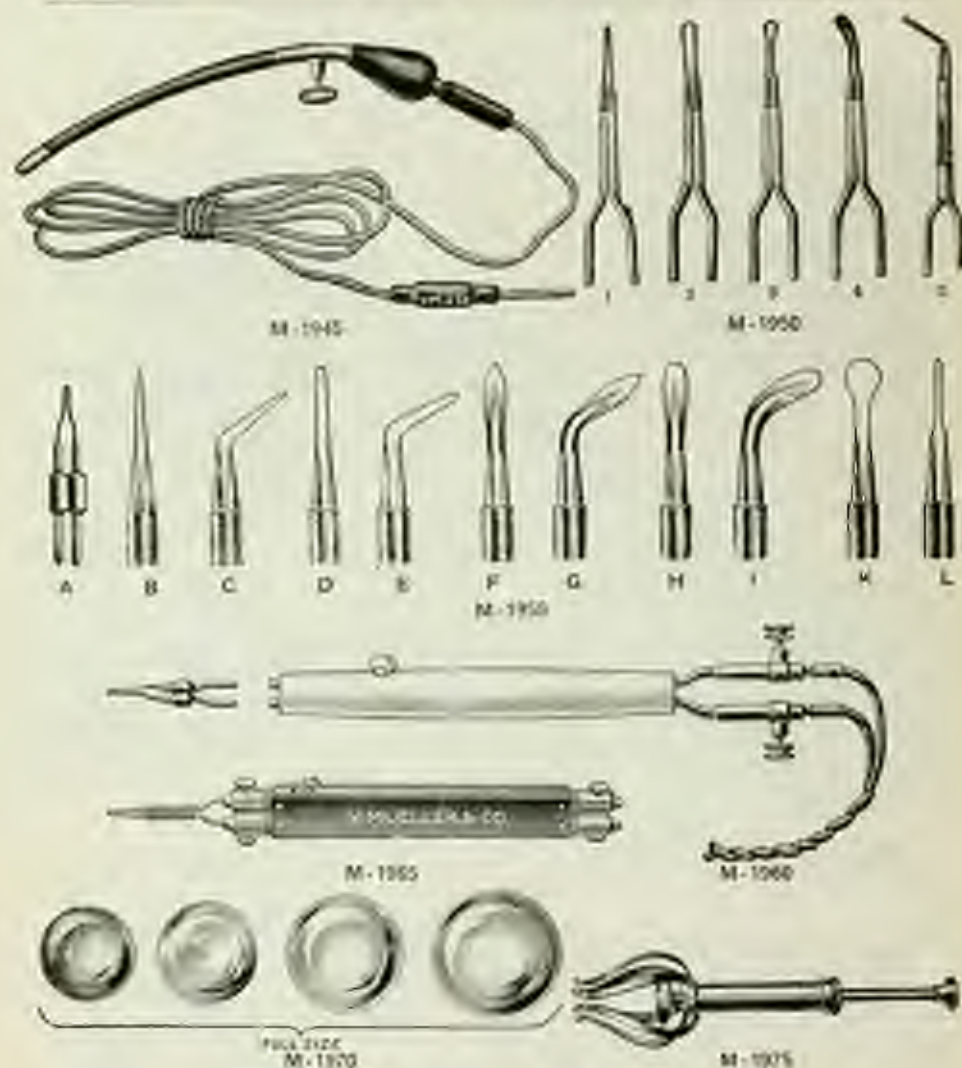


M-1025

EYE SHIELDS, ETC.

M-1000	Eye shield, For's, made of aluminum, each.....	\$4.00
M-1005	Eye shield, Haller's, made of glass and rubber sheeting, each.....	2.50
M-1003	Eye shield, plate, for one eye.....	2.50
M-1010	Eye shield, plate, for both eyes.....	2.50
M-1000	Eye shield, Andrews', aluminum, each.....	2.50
M-1015	Colony mask, King's.....	2.50
M-1020	Set of boiling bottles, and droppers, Brookline's, complete with stand and alcohol lamp.....	10.00
M-1025	Phantom mask Walden's, for one-eye only, set, \$5.00; for both eyes, set.....	10.00

Do not mistake catalogue.—Specify section letter and number in ordering.



CAUTERY ELECTRODES, CAUTERY HANDLES, SPHERES, ETC.

M-1945	Laryngeal probe, Berman's, for use with galvanic current, right steel (not illustrated), each	\$1.00
M-1950	Laryngeal probe, for use with galvanic current, two steel, each	1.00
	Corneal wire	.00
M-1950	Eye cautery electrode, each	1.00
M-1950	Eye cautery electrode, Zinn's, acid glass, each	1.25
M-1950	Set of cautery electrodes, Zinn's, sizes 1 to 5, with handles Fig. M-1955, each in case, set	\$5.00
M-1955	Eye cautery handle, Zinn's, steel type and carefully made	2.00
M-1955	Eye cautery handle, V. Mueller & Co.'s	2.00
M-1970	Spheres, steel, made of glass, each	1.00
	Made of silver, each, and plated steel	1.50
M-1975	Forceps for Muller's spheres, cutters	1.25

Do not mutilate catalogue—Specify section letter and number in ordering.



M-1900



M-1900A

M-1900B

OPHTHALMIC ELECTRODES

The ophthalmic electrodes illustrated here were designed by Dr. WILLY OSTERBERG for the purpose of introducing doses of dissolved drugs into the tissues to a depth by the method of cataphoresis. Local treatment can be applied in this manner to the affected part.

These electrodes have been in use during the last few years and are proved to be recommended by some of the leading eye specialists in Europe.

Figure 1 is a shaft instrument for holding the copper electrode.

Figures 2, 3, 4 and 5 are copper electrodes.

Figs. 6, 7 and 8 are platinum electrodes.

Figures 9, 10 and 11, composite electrodes.

Figures 12, 13 and 14 show the electrodes prepared solely for use.

M-1900 Complete set of electrodes, supplied in a pointed wooden case. Price, \$2.00.

Price of individual electrodes on application.

M-1900A and M-1900B show vertical views of the Wills ophthalmic electrodes.



EYE MAGNETS AND ACCESSORIES

The Vision Giant Magnet illustrated here has a lifting capacity of approximately 60 lbs. to the square inch. The magnet is suspended from a frame with a raising and lowering mechanism, which enables the operator to easily adjust the magnet to the field of vision. We strongly recommend the use of the foot controller in connection with the magnet, for the reason that it allows the operator perfect freedom in the use of both hands.

M-1995	Complete as shown, with rheostat for 115 volt direct current	\$115.00
M-1999	Complete as shown without foot rheostat for 115 volt direct current	8.00
M-2000	Complete as shown, including alternating current rectifier illustrated under M-2008, for 115 volt alternating current	140.00
M-2005	Magnet without frame or rheostat, mounted on metal base	40.00
M-2010	Little Giant Magnet, No. 2, for 115 volt or 220 volt direct current, or for batteries	25.00
	Hand controlling rheostat for same	5.00
	Send for special circular describing in detail eye magnets and rectifiers.	
M-2008	Rectifier for converting alternating current into direct current, for the use of eye magnets	50.00

Do not mutilate catalogue.—Specify section letter and number in ordering.

M-2015



M-2020



M-2025



M-2030



M-2035

M-2040

EYE MAGNETS AND ACCESSORIES

- M-2002 Eye magnet, for use with the 120 volt direct current or for batteries. Complete with four gold plated tips, attachment ring and cords, in case. \$12.00
- M-2003 Flexible tip, for use with Giant Eye Magnet, in case. 7.50
- M-2004 Eye needle, non-magnetic, for use with eye magnet. 1.00
- M-2006 Retractor, Wilder's, non-magnetic, for opening the scleral wound. Illustration is actual size. 1.00
- M-2007 Giant hook, Fryderyk, non-magnetic. 1.25
- M-2040 Dressing forceps, serrated, non-magnetic. 2.00
- M-2041 Fixation forceps, non-magnetic. 1.75
- M-2042 Tissue forceps, mouse tooth, non-magnetic. 1.50



M-2045

M-2050



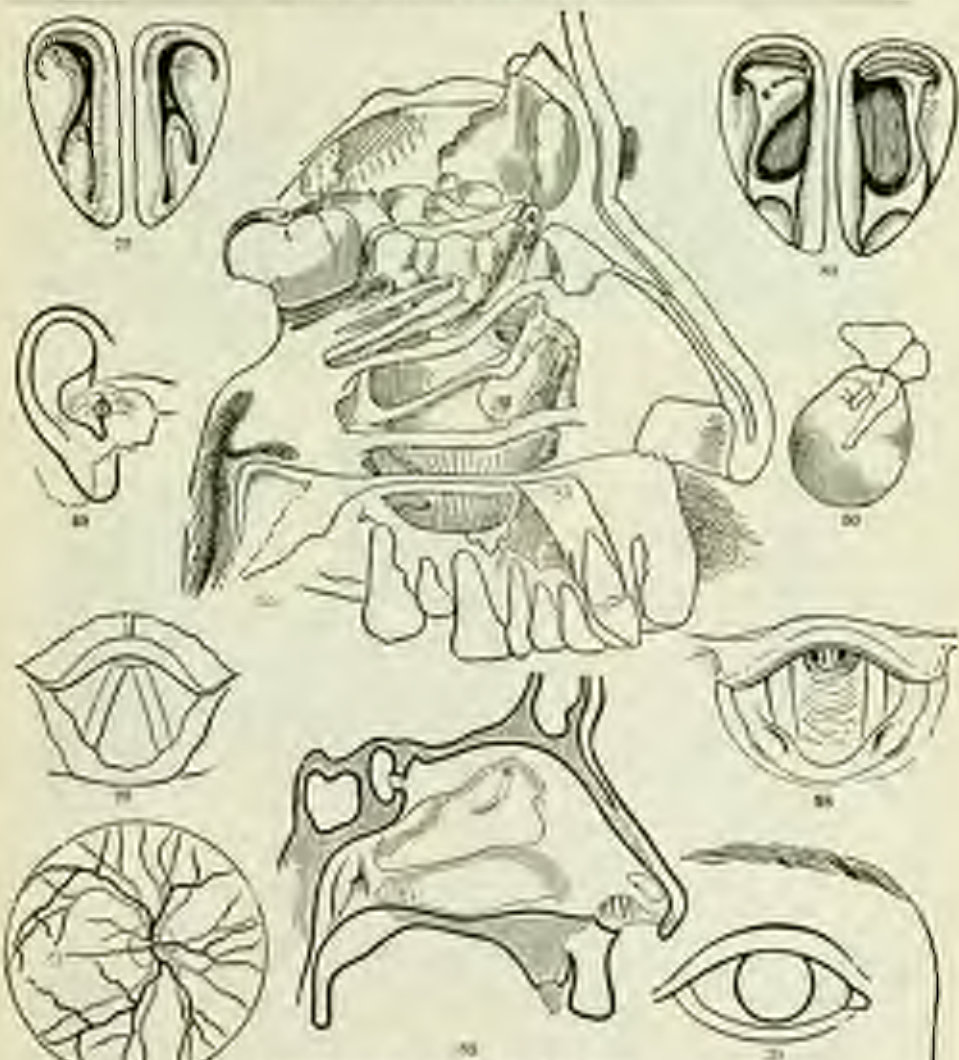
"TABLOID" OPHTHALMIC PRODUCTS

In ophthalmics, purity, the power and freedom from contamination of the drugs used are of the utmost importance. These important points, as well as accuracy and uniformity of weight, are secured by our use of "Tabloid" ophthalmic products. The "Tabloid" products are delivered in appearance, weight in size and exceedingly soluble. They may be applied direct to the conjunctiva when complete solution takes place within 30 seconds or, if desired, they may be used for making a pure, fresh solution at the moment required.

T	Atropine	25.500
EE	Atropine	25.500
D	Atropine Hydrochloride	25.500
	Cocaine Hydrochloride	25.500
S	Atropine sulfate	25.500
A	Atropine sulfate	25.500
AA	Cocaine Hydrochloride	25.500
C	"Cocaine Hydrochloride	25.500
ED	Doses	5.000 gm.
IV	Diocin	5.000 gm.
	Diocin (see pharmacopoeia)	
Y	"Ephedrine Hydrochloride	25.500
Z	"Ephedrine	25.500
H	Homatropine Hydrochloride	25.500
K	"Homatropine Hydrochloride	25.500
O	"Homatropine Hydrochloride	25.500
	Cocaine Hydrochloride	25.500
W	"Homatropine Hydrochloride	25.500
	Cocaine Hydrochloride	25.500
G	Hydroxyamphetamine	25.500
F	Hydroxyamphetamine	25.500
OH	Hydroxyamphetamine	25.500
O	"Hydroxyamphetamine	25.500
	Tropacaine Hydrochloride	25.500
K	Phenylephrine	25.500
M	Phenylephrine	25.500
	Cocaine Hydrochloride	25.500
	Stimulant (see Pharmacopoeia)	
L	"Tropacaine Hydrochloride	25.500
H	Zinc sulfate	25.500
HD	Zinc sulfate	25.500
	Cocaine Hydrochloride	25.500
2	Cocaine Hydrochloride (Hydroxyamphetamine)	25.500

THICKS

Per 1000 tubes of 100 mg. each	25.00
Single tubes, 1000 mg.	25.00
1000 mg. tubes of 10	25.00

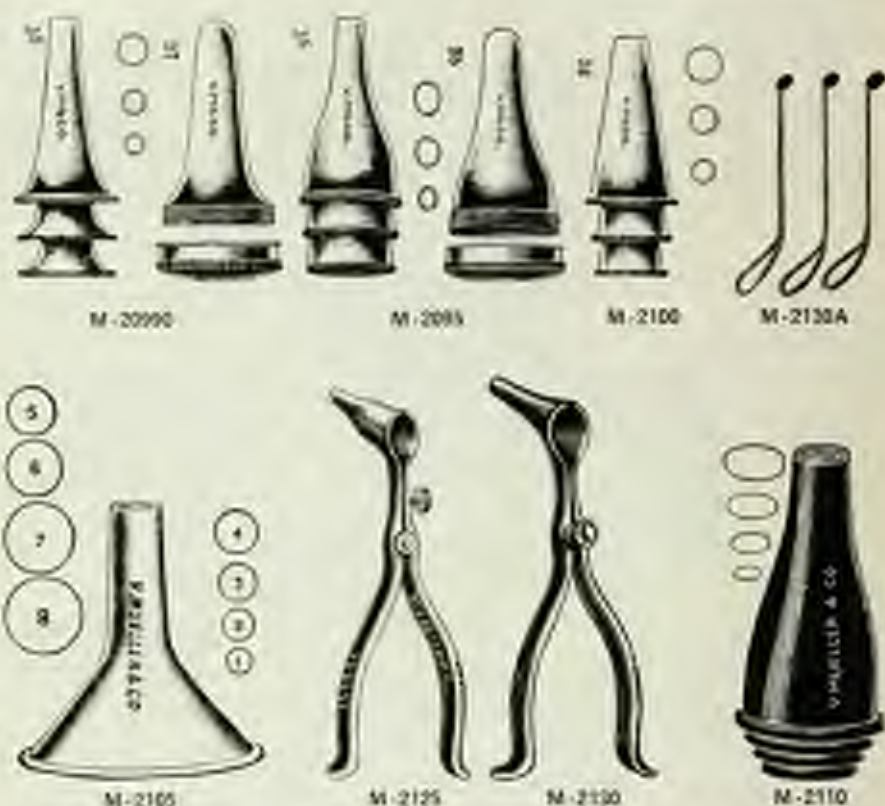


ANATOMICAL RUBBER STAMPS

- M. 200. No. 1. Nasal cavity, normal condition.
 M. 201. No. 2. Nasal cavity, after operation.
 M. 202. No. 3. Nasal cavity, after operation.
 M. 203. No. 4. Superior maxillary bone, sectional, right and left, each.
 M. 204. No. 5. Nasal passage, sectional view, right and left, each.
 M. 205. No. 6. Nasal passage, sectional view, right and left, each.
 M. 206. No. 7. Tympanum with ossicles and cords, tympanic, right and left, each.

- M. 207. No. 8. Larynx and vocal cords, sectional view, right and left, each.
 M. 208. No. 9. Larynx and vocal cords, sectional view, right and left, each.
 M. 209. No. 10. Larynx and vocal cords, sectional view, right and left, each.
 M. 210. No. 11. Larynx and vocal cords, sectional view, right and left, each.

- M. 211. No. 12. Larynx and vocal cords, sectional view, right and left, each.
 M. 212. No. 13. Larynx and vocal cords, sectional view, right and left, each.
 M. 213. No. 14. Larynx and vocal cords, sectional view, right and left, each.
 M. 214. No. 15. Larynx and vocal cords, sectional view, right and left, each.



EAR SPECULA AND EAR MIRRORS

M-2115

M-2115 Ear specula, Skinner's, wrought metal..... \$1.50

M-2120 Ear specula, Hartmann's, wrought metal..... .50

M-2120A Toynton's aurum, Bosc's, sizes 1, 2 and 4 mm., each..... .30

M-2099 Ear specula, Toynton's set of three in metal case, nickel plated, \$1.00; silver plated..... \$1.25
M-20995 Ear specula, Toynton's set of three in metal case, nickel plated..... 1.00
M-2100 Ear specula, Wilde's, set of three in case, nickel plated..... 1.00

All ear specula above described can be furnished in sterling silver, but are made in order only.

M-2105 Ear specula, Fowler's, set of four, sizes 1, 2, 3, 4, \$1.00; operating sizes 5, 6, 7, 8..... \$1.00

M-2115 Ear specula, Hirsch's, hard rubber, set of four..... .50

M-2125 Ear specula, Toynton's, hard rubber, set of three..... .42

M-2130 Ear specula, Wilde's, hard rubber, set of three..... .40

M-2120

M-2120 Ear specula, Skinner's, wrought metal..... \$1.50

M-2120B Ear specula, Hartmann's, wrought metal..... .50

M-2120C Toynton's aurum, Bosc's, sizes 1, 2 and 4 mm., each..... .30

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-2135



M-2135A



M-2135B



M-2135C

AUDIOMETER AND ACCESSORIES

The Pilling-McAllister Audimeter is a simple, accurate, durable instrument for testing the acuteness of hearing to the degree of deafness. The noise of the ordinary office or room do not prevent its successful operation. Both ears may be tested at the same time or each ear separately. Its construction is based upon well known laws of acoustics and mechanics. It is accurate to a degree heretofore unapproached. All that is necessary is to turn a wheel until the subject cannot hear the sound, you then read the pointer to which the index points, this number tells the degree of deafness.

Children have been tested at the rate of one a minute in the school room. Anyone can use it.

Send for descriptive circular.

M-2135 Complete including ear tubes and carrying case net

\$20.00

M-2135A Carrying case for audimeter.

M-2135B Illustrates audimeter in use.

Reduction Tubes, for testing the acuteness of hearing.

These reduction tubes are so constructed that some persons with very acute hearing can hear the bell when the index points to 300. If it is desired to find out just how acute the hearing of such an individual is, or, if very fine and very accurate results are desirable, then the reduction tubes are inserted between the rubber tubes of the electrophone and the metal tubes on the instrument, thus forming an extension of the electrophone tubes. The tubes have graduated openings closed by sleeves. The larger the opening exposed the louder and fewer the sound waves that pass to the ear.

M-2135C Pair net

\$5.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-2140



M-2145

ELECTRIC AND PNEUMATIC AURISCOPES



M-2150

M-2140 Pneumatic Auriscope, No. 1.

This instrument gives a full (and magnified) view of the drum head; the lens is reversible—thus, adapting the instrument for operative and therapeutic work. By means of this pneumatic instrument the mobility of the malleus may be determined, also the degree of relaxation in the membrane tympani. In addition to this it is a useful instrument for nasal massage. Price

M-2145 Auriscope, electrically lighted.

This instrument is supplied with magnifying lens so arranged that it can be turned out of the line of sight, thus giving the operator a direct view should it be preferred. This lens has an attachment by which it can be quickly removed. The largest of the specula among the three has 24 oval end and is therefore adapted for nasal as well as otic work. Complete with three specula. Price

M-2150 Pneumatic Auriscope, No. 2.

This is fitted with three specula of different sizes. The large lens fits as a cap sealing the end of the instrument so that it makes a perfect stoppage for testing the mobility of the malleus and the extent due to the membrane tympani, and it may also be used for nasal massage. The large lens is reversible and a small magnifying lens can be swung in the position to allow for introduction of instrument. Complete with three specula and cord. Price



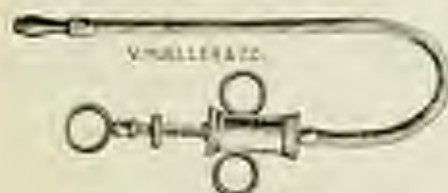
M-2155



M-2160



M-2165



M-2170



M-2175

OTOSCOPES AND EAR MASSEURS

M-2156	Otoscope, Nagel's, hand rubber, supplied with tips	\$3.00
M-2155a	Otoscope, Nagel's, metal, with pinnae supplied free according to American	2.00
M-2159	Otoscope, Fuchs's, metal	2.00
M-2165	Otoscope, Barlow's, metal, with bulb	2.00
M-2174	Ear-masseur, Eustachian's, pump of brass, metal with glass tube	3.00
M-2175	Otoscope, Nagel's, supplied by kit, with tips	2.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-2180



M-2185



M-2185A



M-2190



M-2195



M-2200



M-2205



M-2210



M-2215

APPARATUS FOR TESTING HEARING

M-2180	Farney's (Lueschmager's). This apparatus is used to measure one-sided deafness; it consists of a clockwork the hammer of which strikes against a fiber membrane, thereby eliminating outside noises.	\$12.00
M-2185	Neumann's Electric Lueschmager's. This apparatus is used for the same purpose as the Farney instrument. It is made for both the direct and alternating current. The degree of noise produced from the current can be regulated to a minimum by means of the rheostat. Two levers (see figure M-2185A) are supplied with the apparatus. Price furnished upon application.	
M-2185A	V. M. & Co.'s Lueschmager's, for use on alternating current, with one lever like figure M-2185A.	\$14.50
M-2190	Diagnosis tube, with tips of rubber or glass, and three ft. tubing.	50
M-2195	Acoustometer, Bietli's	1.00
M-2200	Acoustometer, Foltner's	2.75
M-2205	Whistle, Gifford's	2.50
M-2210	Whistle, Edinburg's	12.50
M-2215	Whistle, Dewh's	4.50

Do not mutilate catalogue.—Specify section letter and number in ordering.



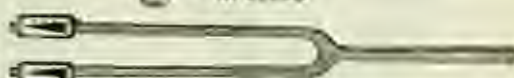
M-2220



M-2220B



M-2220C



M-2225



M-2230



M-2235

TUNING FORKS

- M-2220 Tuning Fork, Hartmann's, C4, 265 vibrations..... \$1.00
 M-2220A Tuning Fork, Hartmann's, C2, 102½ vibrations..... 1.00
 M-2220B Tuning Fork, Hartmann's, C2, 52 vibrations..... 1.00
 M-2220C Tuning Fork, Hartmann's, large with clamps, 26½ in. C4 vibrations, \$1.25; small, 15½ in., 26½ vibrations..... 1.00
 M-2225 Tuning Fork, Goodenow's..... 1.00
 M-2230 Tuning Forks, set of five in polished wood case, Hartmann's, containing forks figure M-2220 to M-2220C..... 15.00
 M-2235 Tuning Forks, Neumann's, set of three in yellowed oil..... 15.00
 The set contains C4 265 vibrations, middle C 264 and low C 263 vibrations. The forks in this set are of a very high grade and imported from the original makers in Vienna.
 M-2240 Tuning Fork, Deuk's, large with clamps, 26½ in., 52 vibrations..... 1.00
 M-2245 Tuning Fork, Deuk's, (Klein's) reed clamps, 16 in. long, each..... 1.00
 M-2250 Eschscholtz's new series of tuning forks, consisting of 10 large forks, whistles and hammer. Prices upon application.



M-2240



M-2250

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-2260A



M-2255



M-2260



M-2265



M-2270



M-2275



M-2280

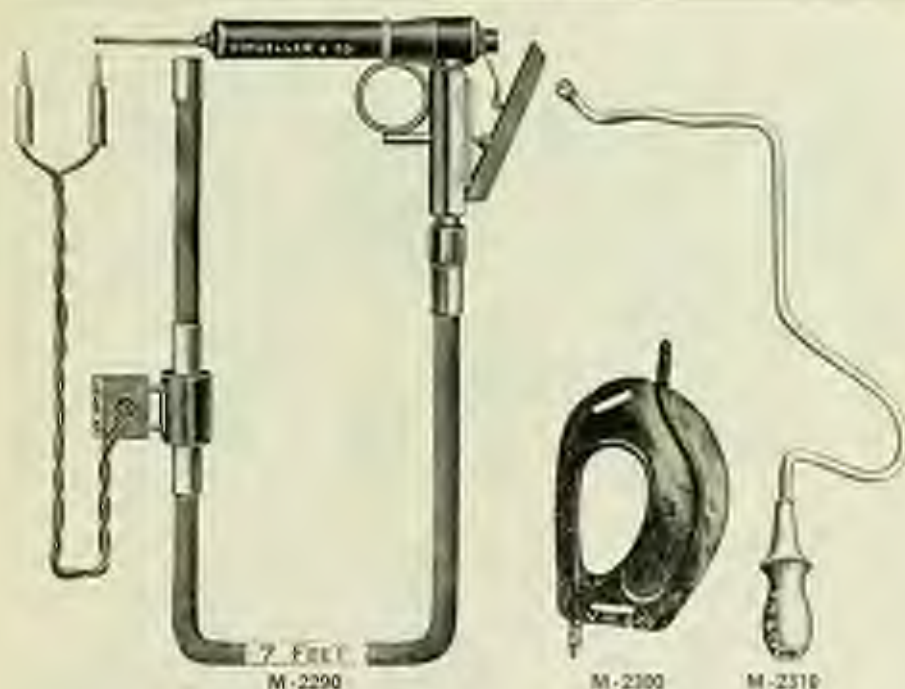


M-2285

EAR SPOOTS, EAR MASSEUR, ETC.

M-2255	Compound Air Engine, for ear massage	\$5.00
M-2260	Revolving Chair, Igou's, for making "Turning" tests, for the purpose of examining the vestibular apparatus	25.00
M-2260A	Illustrates ball bearings upon which the chair revolves	
M-2265	Nystagmus's revolving apparatus for testing Nystagmus	\$5.00
M-2270	Ear Spout, Henslow's, improved	.50
M-2275	Ear Spout, Henslow's, original	.50
M-2280	Ear Spout, Beck's, with drainage attachment	1.00
M-2285	Ear Spout, Alcock's, with spring band	1.00

Do not mutilate catalogue—Specify section letter and number in ordering.



HOT AIR APPLIANCES, ETC.

- M-2290 Hot Air Syringe, Beck's. The cylinder is so constructed that it will produce any degree of heat for compressed air and may be operated on either a switch board illustration or a low voltage where a switch board is not used. A complete set of cord and plug. \$12.00
- M-2295 Electric Air Blower, Victor, with three tips. 12.00
- M-2299 Hot Water Heating Coil; Leters, made of lead or tinplate; (right and left, each) 7.00
- M-2300 Masked Ice Bag, improved pattern. 1.00
- M-2305 Air Canister, Heath's, silver, right and left, each. 1.00
- M-2305A Air Canister, Heath's, modified by Robert, consisting of two air canisters, reversible. 1.00

Do not mutilate catalogue.—Specify section letter and number in ordering.

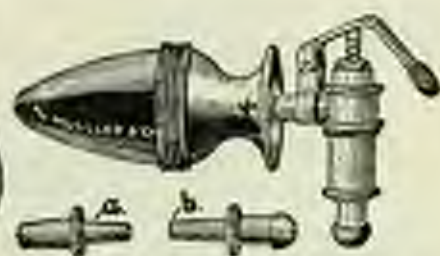


POLITZER BAGS, EUSTACHIAN CATHETERS, ETC.

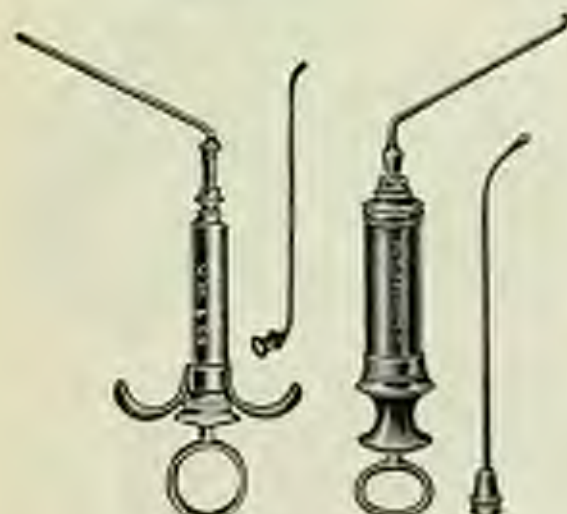
- M-2315 Politzer Air Bag of bottled rubber, best quality, without valve, 5 in., \$1.75;
 4 in., \$1.25; 3 in., \$1.00. With valve, 5 in., \$1.75; 4 in., \$1.25; 3 in., \$1.00. A
 piece of rubber tubing and either tip B, C, D, E or F is supplied with each
 bag.
- M-2315A Bag and tube 30 in. of good quality narrow rubber, small, \$2.25; large, \$2.40.
- M-2320 Lucas's Air Bag, of best imported pure rubber, each, \$1.00.
- M-2325 Lucas's Air Bag, of best imported pure rubber, each, \$1.00.
- M-2330 Eustachian Catheter, sterling silver, made to three sizes, 1, 2, 3, each, \$1.25; per
 dozen, each, \$12.00.
- M-2335 Eustachian Catheter, hard rubber, three sizes, each, \$1.00.
- M-2340 Eustachian Catheter, Bessfeld's, spiral end, each, \$1.00.
- M-2345 Eustachian Catheter, Fremont's, each, \$1.00.
- M-2350 Eustachian Catheter, Crutcher's, hard rubber, made of one piece, best qual-
 ity, four sizes, each, \$1.00.
- M-2355 Glass jar with metal stand for Eustachian catheters and silver canines, \$2.50.



M-2360



M-2365



M-2370

M-2375



M-2382



M-2385

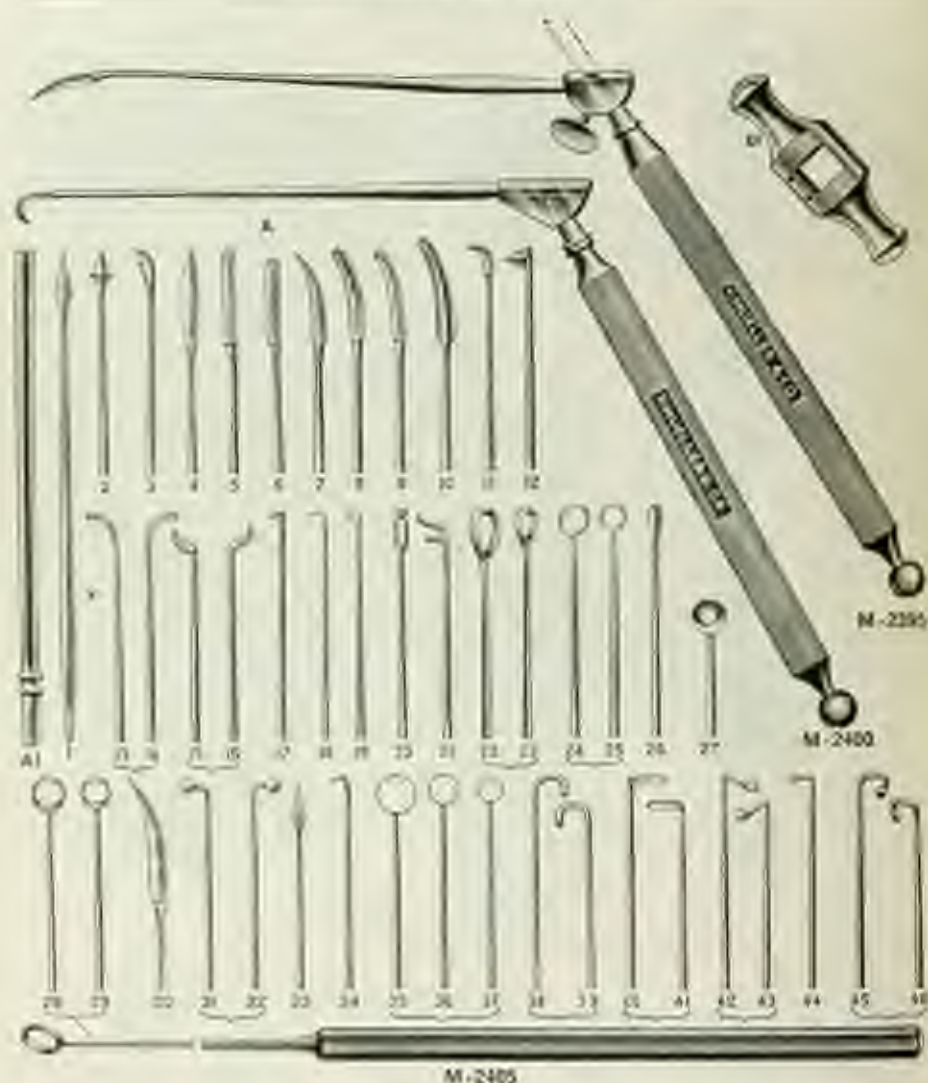


M-2390

VAPORIZERS, MIDDLE EAR SYRINGES, ETC.

- M-2360 Vaporizer, Deakin's, without bulb or rubber, \$1.25; with bulb and hard rubber catheter, \$1.60; with bulb and silver catheter, \$1.60.
 M-2365 Vaporizer, Deakin's, with tips A and B, hard rubber, \$1.00; aluminum, \$1.25.
 M-2370 Middle ear syringe, Deakin's, with two silver tubes in case.
 M-2375 Middle ear syringe, Deakin's, syringe and tubes of hard rubber.
 M-2382 Powder blower for ear, hard rubber tubes, each.
 M-2385 Little candles, Hartmann's, right and left, plated, each \$0.50; silver, each.
 M-2390 Little candles, Farrow's, tube coated, small opening.

Do not mutilate catalogue.—Specify section letter and number in ordering.



EAR OPERATING INSTRUMENTS FOR UNIVERSAL HANDLE, ETC.

- M-2395 V. Mueller & Co.'s universal handle for ear instruments. The instruments can be set in straight or angular position. 11.25
 M-2400 Universal handle for ear instruments without set screw. 1.25
 All the instruments from figure A to 45 for use in universal handles, each. 7.
 All the instruments from figure A to 45 for stationary handle like figure M-2395 in number, each. 1.00
 Handle M-2405 can be furnished with square shank and with the addition of cross bar B and insert (like A) a satisfactory ear snare can be improvised. 2.
 Price of cross bar B.

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-2410



M-2415



M-2425



M-2420



M-2430

EAR OPERATING SETS

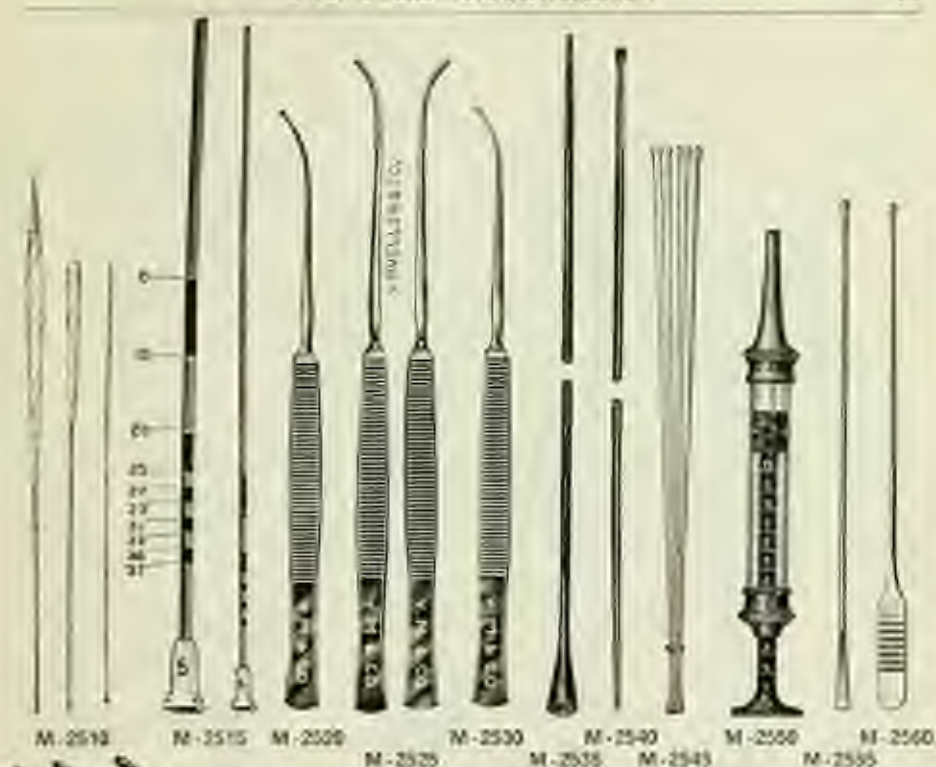
- M-2400 Ear Operating Set containing 6 instruments and universal handle selected from page 56, in leather case \$15.00
- M-2410 V. Mueller & Co.'s Ear Operating Set, containing 16 instruments and universal handle, selected from page 70, in leather covered case \$18.00
- M-2415 V. Mueller & Co.'s Ear Operating Set, small, containing 16 instruments and universal handle \$12.00
- M-2420 Neumann's set of instruments for the extraction of middle and third. Complete in metal case \$25.50
- M-2425 Neumann's set of instruments for removing the external attic wall. Complete in metal case \$12.00

Do not mutilate catalogue—Specify section letter and number in ordering.



EAR OPERATING INSTRUMENTS AND APPLICATORS

M-2435	Tympanum perforator, De- rby's model	25 00
M-2440	Tympanum perforator, Trotter's, with stop on blade	1 25
M-2445	Foreign body instrument, O'Brien	1 25
M-2450	Chisel (screw), Cude's, in small Keweenaw handle, and one tip can be set in any direction	12 00
M-2455	Gauge pulley, Alquist's	10 00
M-2460	Gauge pulley, Perry's	10 00
M-2465	Ear speculum and hook	25 00
M-2470	Tympanum perforator, Trotter's, V-shaped	1 25
M-2475	Ear speculum, Beck's, sharp or blunt pointed, each	1 00
M-2480	Tympanum perforator, Perry's, bayonet shape with stop on blade	1 25
M-2485	Set of ear instru- ments, British, which is small, strong, and complete	1 00
M-2490	Ear applicator, Beck's, straight or serrated	20 00
M-2495	Ear applicator, Lundy's, each	25 00
M-2500	Ear applicator, Perry's, each	20 00
M-2505	Ear applicator, Anderson's, aluminum	30 00
M-2510	Ear applicator, Dean's Ger- man style	25 00
M-2485	Ear applicator, Beck's	20 00
M-2490	Ear applicator, Lundy's	25 00
M-2500	Ear applicator, Perry's	20 00
M-2505	Ear applicator, Anderson's	30 00
M-2510	Ear applicator, Dean's German style	25 00

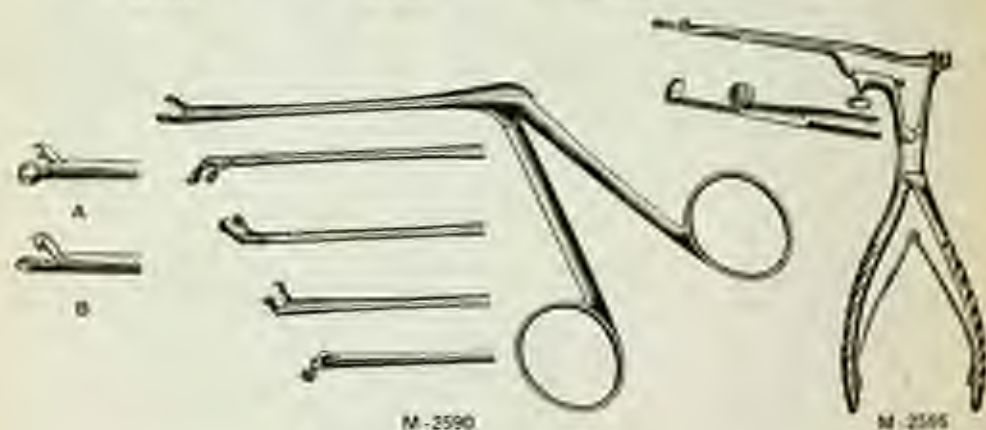
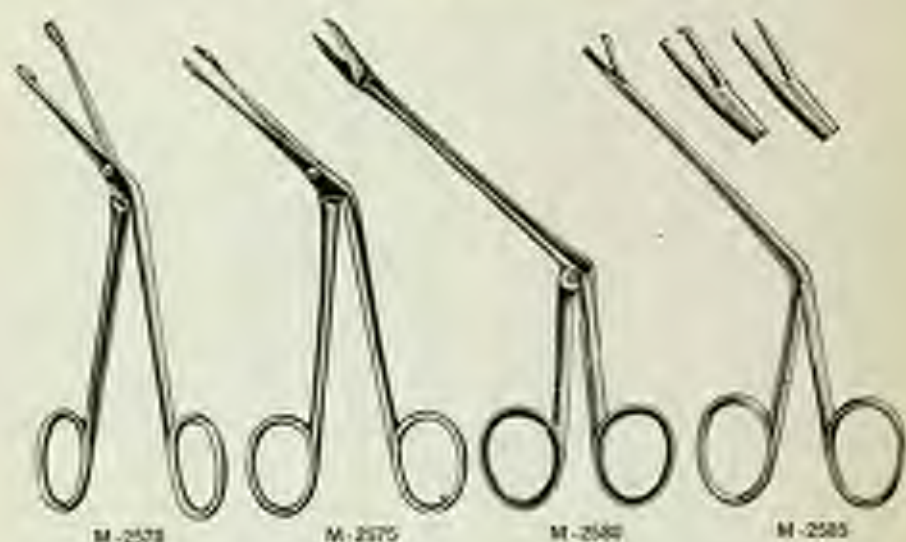


INSTRUMENTS FOR THE EUSTACHIAN TUBE, ETC.

M-2512	Eustachian applicator, Yankauer's, illustration about twice actual diameter, each, 1/16 in. diam.	85
M-2513	Eustachian bougie, Yankauer's, graduated, five sizes in glass tube, per set set	6 00
M-2514	Salivary catheter, Yankauer's, made in three sizes, each	2 00
M-2515	Salivary catheter, right and left, Yankauer's, each	3 00
M-2516	Salivary probe, Yankauer's	7 00
M-2517	Catheter, Wilson-Lee, made of silk, for use through Eustachian catheter, each	1 00
M-2518	Bougie, Eustachian, Wilson-Lee's, made of silk, each	40
M-2519	Bougie, Eustachian, Wilson-Lee's, made of celluloid, set of 4 sizes in glass tube	1 25
M-2520	Syringe, Wilson-Lee's, all glass and rubber, for injection of medicines through Wilson-Lee catheter	1 50
M-2521	Ear probe, Lee's, silver	50
M-2522	Ear probe, Ford's, silver	90
M-2523	Eustachian electrodes, gold, Ford's, three sizes, including three rubber covered catheter, connection and cord complete	6 25

M-2555

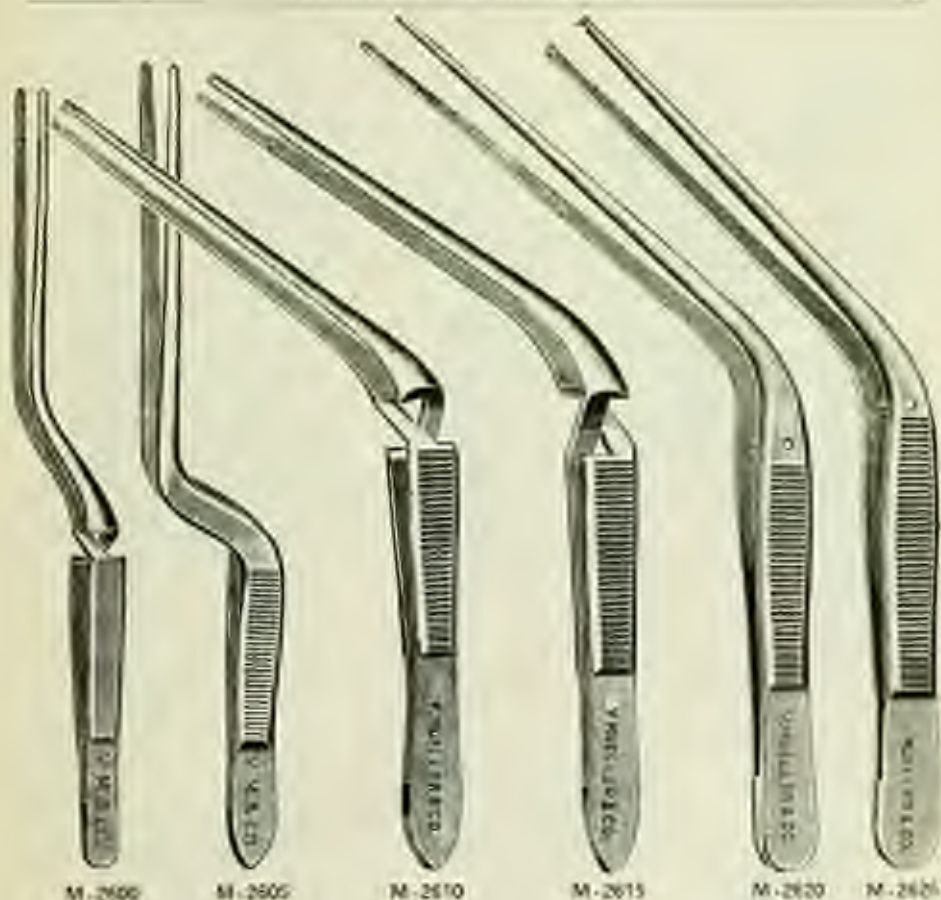
Do not mutilate catalogue.—Specify section letter and number in ordering.



EAR FORCEPS AND EAR SCISSORS

M-2572	Ear Forceps, Hartmann's, regular	\$1.25
M-2575	Ear Forceps, Hartmann's, extra fine small point	1.25
M-2580	Ear Forceps, Alligator, Noyes	5.00
M-2585	Ear Forceps, Alligator, Noyes, with serrated points, each, H. S. very strong tooth point, each	1.00
M-2590	Ear cutting Forceps, Hartmann's, Alligator type	1.00
	Ear Forceps, Alligator type, same as above, cutting right or left, upward or downward, each	5.00
M-2595A	Ear cutting Forceps, Alligator type, Hedman's semicircular steel, each	7.50
M-2595B	Ear cutting Forceps, semicircular round or oblong, each	7.50
M-2595	Supplemental Bone Forceps, Hartmann's, two sizes of points with one blade	12.00
M-2595A	Middle Ear Clipper, Deane's (see illustration)	7.50

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-2600

M-2605

M-2610

M-2615

M-2620

M-2625

EAR FORCEPS

M-2600	Ear forceps, cross action, beveled shape.....	11 75
M-2605	Ear forceps, beveled shape.....	10
M-2610	Ear forceps, cross action, angular, smooth back.....	1 25
M-2615	Ear forceps, cross action, angular, serrated points.....	1 00
M-2620	Ear forceps, angular, serrated points.....	25
M-2625	Ear forceps, angular, smooth back.....	25
M-2630	Ear forceps, Elliott's, two patterns, opening vertically and horizontally, each.....	1 00

These forceps have very delicate points and rounded handles.



M-2630

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-2635



M-2640



M-2645



M-2650



M-2655

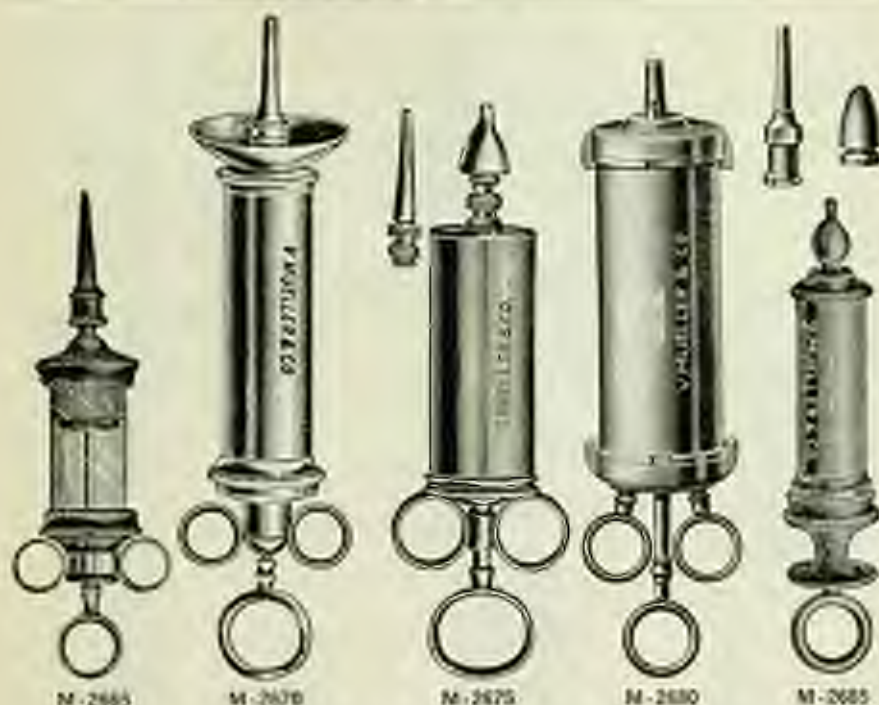


M-2660

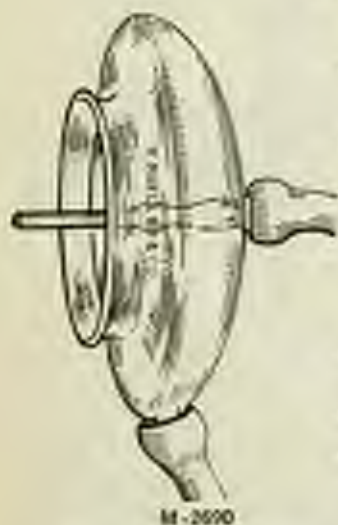
EAR SNARES AND ATTIC FORCEPS

M-2635	Ear snare, Blake's improved	\$1.00
M-2640	Ear snare, Don's	1.75
M-2645	Ear snare, Davidson's, two canals	2.00
M-2650	Attic forceps, Alipert's	3.00
M-2655	Attic forceps, Strong's	4.00
M-2660	Ear snare, McKee's	1.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



EAR SYRINGES AND DOUCHES



M-2690

- M-2665 Ear syringe, Vienna pattern, glass barrel, hard rubber mounting, 4 oz., \$2.50; 6 oz., \$3.75
- M-2670 Ear syringe, Fommey's, metal barrel, leather packing, 3 oz., \$1.50; 4 oz., \$2.25
- M-2675 Ear syringe, V. Mueller & Co.'s, made entirely of metal with two tips, 2 oz., \$2.00; 3 oz., \$2.50; 4 oz., \$3.00
- M-2680 Ear syringe, Alexander's, all metal with carefully ground piston, both ends are connected by means of separate ally joints, capacity, 10 oz., \$3.00
- M-2685 Ear syringe, hard rubber, 2 oz., \$1.50; 4 oz., \$2.25
- M-2690 Ear douche, Fommey's, set, \$3.00
- M-2695 Ear douche and mount, V. Mueller & Co.'s, set, \$3.75



M-2695



M-2700



M-2705



M-2710



M-2715



M-2720

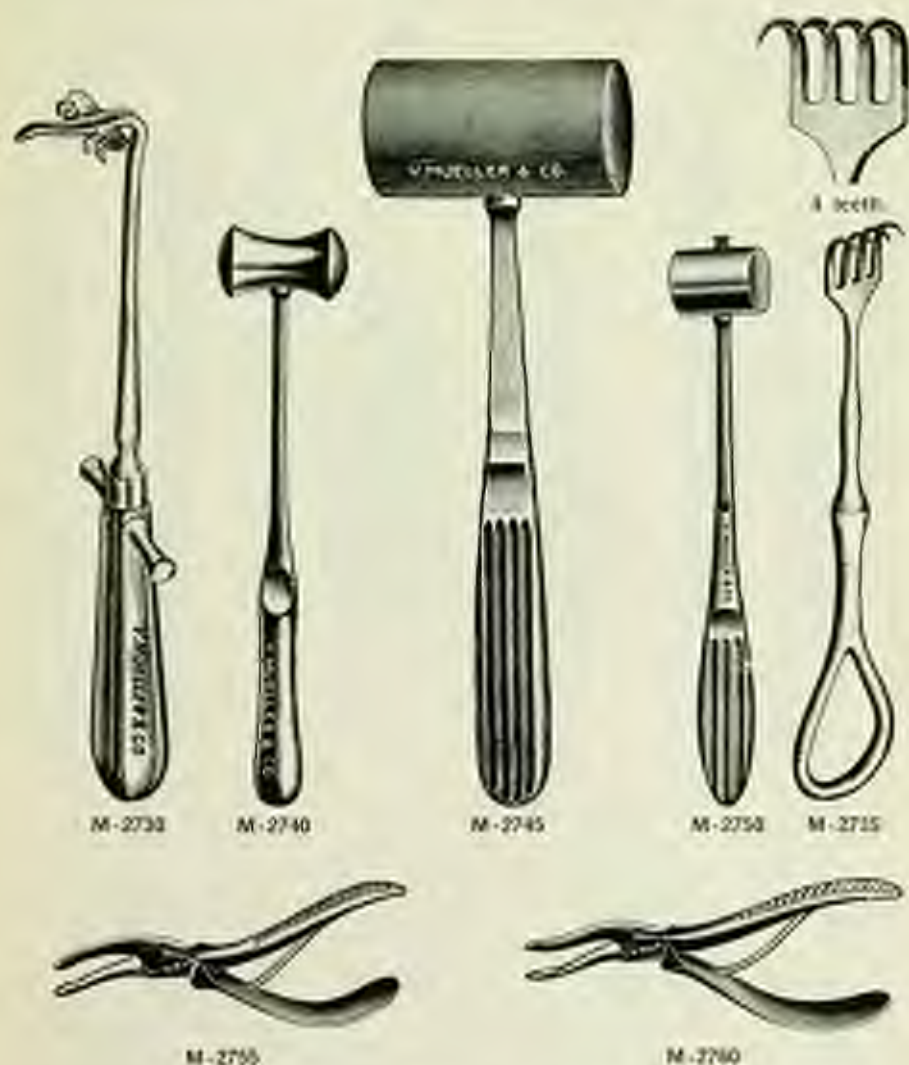


M-2725

MASTOID RETRACTORS

M-2700	Mastoid retractor, Blom's, steel model, very strong, each	\$1.00
M-2705	Mastoid retractor, Anvers', with detachable blades to use as a large or small retractor, each	50
M-2710	Mastoid retractor, Bishop's, with detachable blades to use as a large or small retractor, each	50
M-2715	Mastoid retractor, Argue's, made of steel and tempered, each	50
M-2720	Mastoid retractor, Jack's, with detachable blades, each	50
M-2725	Mastoid retractor, automatic, with detachable blades, each	50

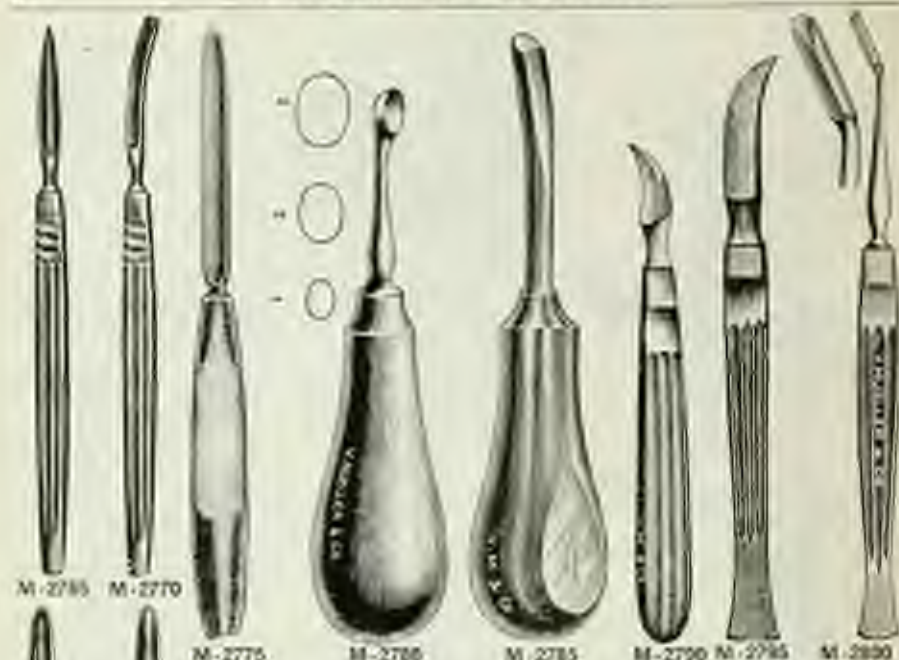
Do not mutilate catalogue.—Specify section letter and number in ordering.



RETRACTORS, MALLETS AND FORCEIPS

M-2733	Mastoid Retractor, Fry's	11 25
M-2735	Mastoid Retractor, Williams's, made of one piece of steel with three or four teeth, each	1 00
M-2740	Mallet, metal, lead filled	1 00
M-2745	Mallet, of wood, with metal handle	1 00
M-2750	Mallet, small size, made of iron, steel handle	1 00
M-2755	Mastoid Retractor Forceps, extra small model, Alexander's	2 00
M-2760	Mastoid Retractor Forceps, extra small model, beveled points, Jackson's	2 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



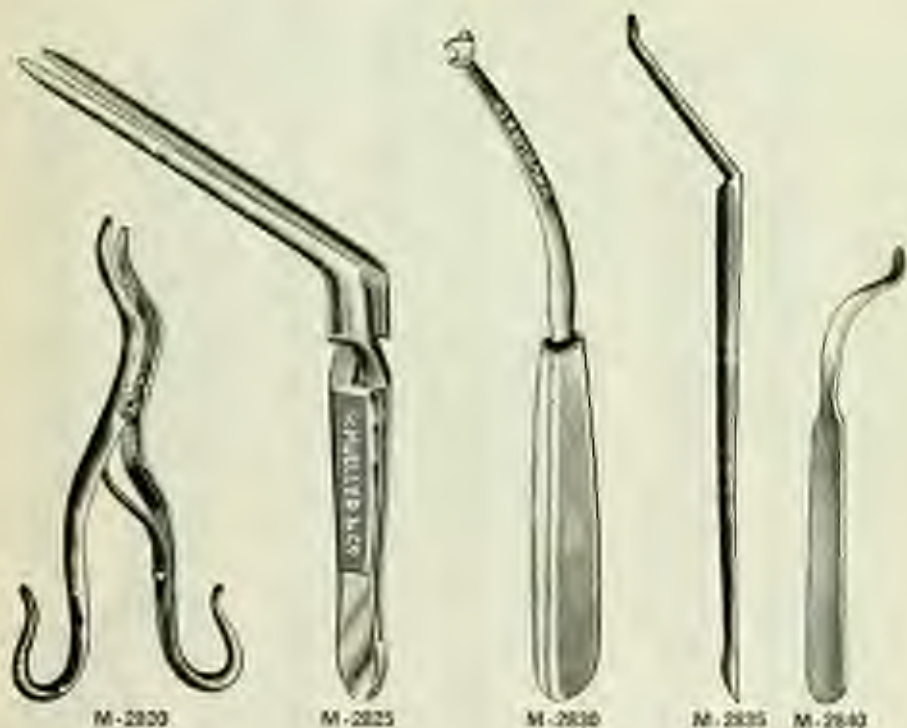
MISTOID KNIVES, CURETTES, DRILLS, ETC.

M-2765	Double edge knife, Alport's	11 25
M-2770	Curette, egg knife, blunt point, Alport's	1 25
M-2775	Curette, Alport's	1 50
M-2780	Mistoid curette, with oval perforated back, McKesson's, heavy metal handle, new style, with	2 50
M-2785	Mistoid pump, McKesson's, heavy metal handle	2 50
M-2790	Mistoid knife, Palmer's	1 50
M-2795	Mistoid knife, Buck's	1 25
M-2800	Mistoid egg knife, Alport's	2 00
M-2805	Mistoid bone drill, Schwann's (Hemmer)	11 25
M-2810	Washburn bar, Alport's, round ended	2 50
M-2815	Mistoid bar, Hoffmeyer's, made in three sizes, with	2 25

For other operating knives, see section X.



Do not mutilate catalogue—Specify section letter and number in ordering.



M-2820

M-2825

M-2830

M-2835

M-2840



M-2845

SURGICAL ENGINE, EXPLORERS
AND PROTECTORS

M-2820	Dissector, Allport's	\$4.00
M-2825	Heinz explorer, Jackson's	2.50
M-2830	Protractor, Thompson's, for facial nerve, right and left, each	1.00
M-2835	Protractor and guide, Bishop's	1.25
M-2840	Protractor and guide, Jackson's	1.00
M-2845	Donor Battery Engine, (Vio- lax) complete as illustrated, including cable, hand piece and cutters, for 110 volt direct current	115.00
M-2845A	Donor Battery Engine, (Vio- lax) complete as illustrated, including cable, hand piece, and cutters, for 110 volt alternating current	115.00

If interested write for detailed de-
scriptions and larger illustration.
Special cutters for use with this ma-
chine are made by us in order.



MASTOID CHISELS AND GOUGES

M-2850	Mastoid chisel, Andrews', made in two sizes, each	11 10
M-2855	Mastoid gouge, Andrews', made in two sizes, each	1 10
M-2860	Mastoid chisel, Trachtenberg's, made in four sizes, as per illustration, each	75
M-2865	Mastoid gouge, Trachtenberg's, made in four sizes, as per illustration, each	90
M-2870	Mastoid gouge, Bishop's, made in three sizes, illustration representing medium size, each	1 00
M-2875	Mastoid chisel, Bishop's, made in three sizes, illustration representing medium size, each	90
M-2880	Mastoid gouge, improved shape, Alexander's, especially adapted for hemorrhoid work, 1/2 and 3/4 in., each	1 00

All the chisels and gouges listed are carefully made by hand of the best English steel.

Do not mutilate catalogue.—Specify section letter and number in ordering.

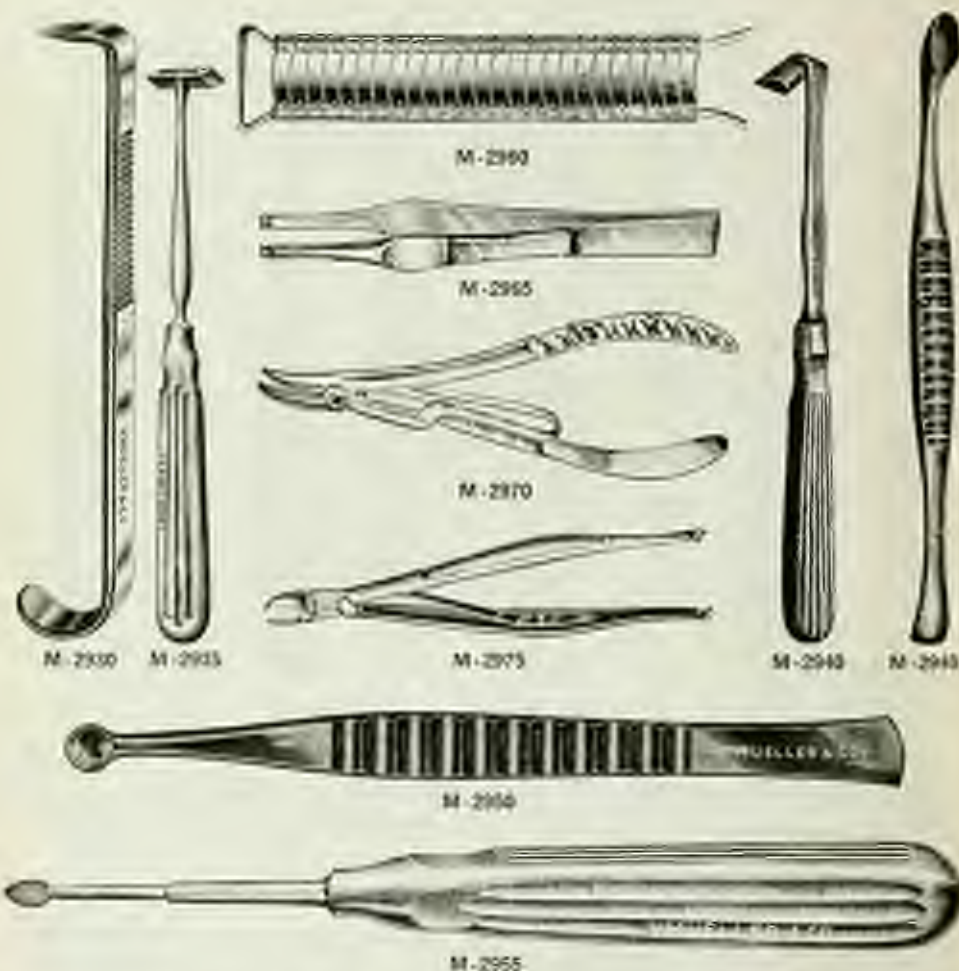


MASTOID CHISELS AND GOUGES—Continued

M 2885	Mastoid chisel, Galt's, made in two sizes, $\frac{5}{16}$ in. long, each.....	\$1.00
M 2886	Mastoid chisel, Whiting's, made in three sizes, as per illustration, each.....	2.00
M 2887	Mastoid chisel, Galt's, large pattern, $\frac{5}{16}$ in.	2.00
M 2888	Mastoid gouge, Galt's, large pattern, $\frac{5}{16}$ in.	1.00
M 2889	Mastoid gouge, Whiting's, made in three sizes as per illustration, each.....	2.00
M 2890	Mastoid gouge, Galt's, small pattern, $\frac{5}{16}$ in.	1.00
M 2891	Mastoid chisel, Alexander's, made in sizes 9, 10, 11, 12 and 14 mm., $\frac{5}{16}$ in. long, each.....	1.00
M 2892	Mastoid gouge, Alexander's, made in sizes 9, 10, 11, 12 and 14 mm., $\frac{5}{16}$ in. long, each.....	2.00

All the chisels and gouges listed are carefully made by hand at the best English steel.

Do not mutilate catalogue.—Specify section letter and number in ordering.



SUTURE INSTRUMENTS, PERIOSTEOTOMES, ETC.

M-2934	Periosteotome, Andrews'	1.75
M-2934	Periosteotome, Emlinger's, arranged to push and pull	1.75
M-2936	Periosteotome, Langenbeck's	1.30
M-2936	Periosteotome and bone scoop, Ferguson's	1.35
M-2937	Periosteotome and bone scoop, Schmidt's	1.45
M-2938	Distalium bar, Finck's	1.25
M-2939	Salter clip, Michel's, 25 ea. pack	.30
M-2940	Forceps for introducing suture	.75
M-2941	Forceps for removing suture, Allport's	1.25
M-2942	Forceps for introducing and joining Michel sutures	2.00

For other suture instruments see section X.

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-2900

M-2905



M-2990



M-2995



M-3000



M-3005



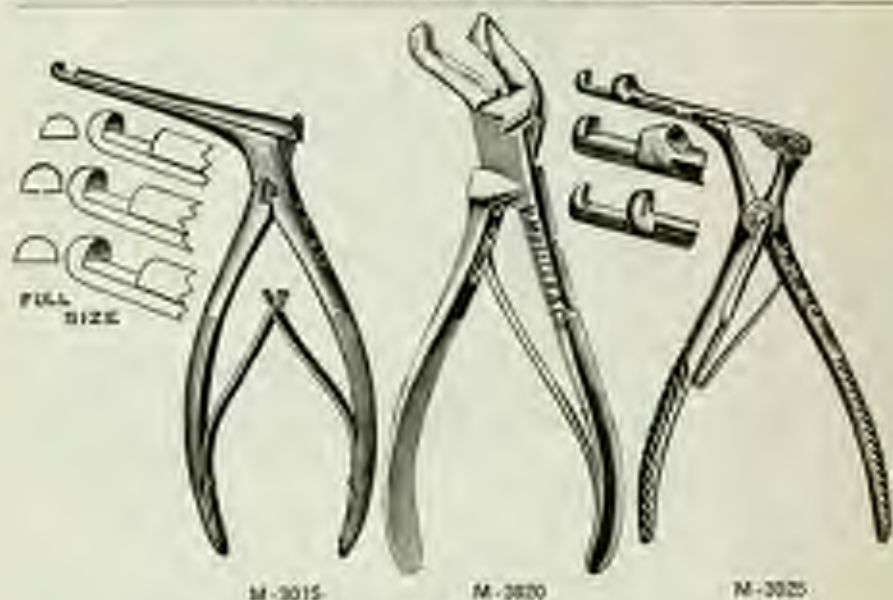
M-3010

BONE SCOOPS AND CURETTES

M-2900	Mastoid curette, V. Mueller & Co's, round, bone stem, each.....	\$1.00
M-2905	Mastoid curette, V. Mueller & Co's, oval, four sizes, each.....	50
M-2990	Mastoid curette, Walling's, bone stem, each.....	40
M-2995	Mastoid curette, Barth's, double ended.....	30
M-3000	Mastoid curette, Barth's, with one round and one small oval spot.....	20
M-3005	Mastoid curette, Schmidt's, double ended.....	10
M-3010	Mastoid curette, Killian's, double ended, small.....	10

For other mastoid curettes see page 78.

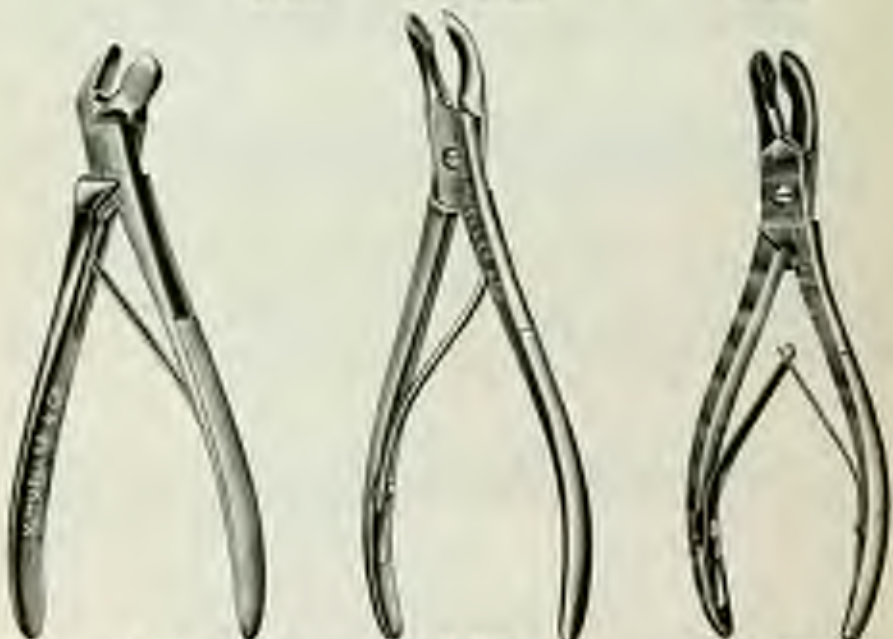
Do not mutilate catalogue.—Specify section letter and number in ordering.



M-3015

M-3020

M-3025



M-3030

M-3035

M-3040

MASTOID RINGERS

M-3015	Mastoid ringer, Kerrison's, made by three sizes, each	25 00	M-3030	Mastoid ringer, Barstow's	15 00
M-3020	Mastoid ringer, Leubach's	5 50	M-3035	Mastoid ringer, Barstow's, latest pattern, heavy blades	1 10
M-3025	Mastoid ringer, Campbell's, 1/2 inch & 1/4 inch blades, two sizes each	11 00	M-3040	Mastoid ringer, Andrews Hartman's	1 75

Do not mutilate catalogue.—Specify section letter and number in ordering.



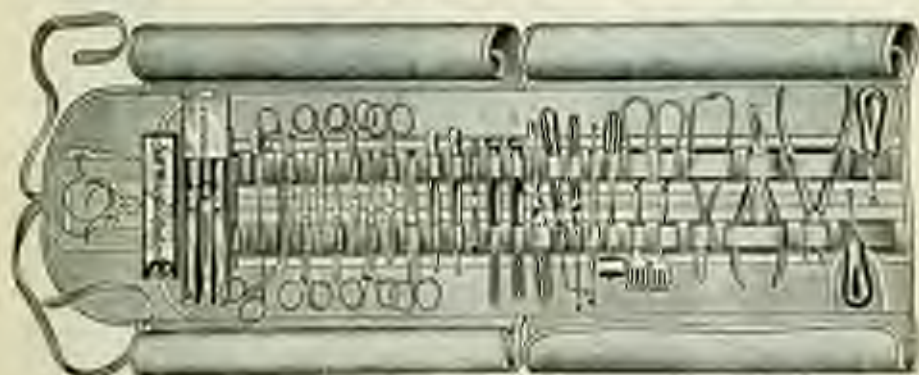
M-3050



M-3045



M-3055



M-3060

TONGUES AND MASTOID SETS

M-3045	Mastoid retractor, Jensen's, bequest shape	\$1.00
M-3050	Mastoid retractor, Lundy's	5.00
M-3055	Mastoid retractor, Low's, extra heavy	4.00

PIERCE'S MASTOID SET

M-3060 The selection of mastoid instruments shown here with the addition of two Jensen's automatic retractors represents the mastoid set as used by Dr. Maxwell Pierce of Chicago. This is only shown as a suggestion of what ordinarily is needed for this work. Any of the various retractors, saws, etc., will be substituted to suit the individual operator. Price of set according to selection of instruments.

Do not mistake catalogue.—Specify section letter and number in ordering.



M-3090



M-3095



M-3065



M-3070



M-3075



M-3080



M-3085



M-3100



M-3105



M-3110

HEARING APPLIANCES

M-3090	and M-3095 Hard rubber telescopic trumpet, two parts	\$7.50
M-3065	Hard rubber telescopic trumpet, three parts	4.50
M-3070	and M-3075 Hard rubber telescopic trumpet with wavy-shaped bell	5.00
M-3080	Artificial, with convex, gold	10.00
M-3085	Ear vessels, silver, each	10.00
M-3100	Ear trumpet, Vienna pattern, telescopic, silver plated	4.50
M-3105	Ear trumpet, Vienna pattern, silver plated	4.50
M-3110	London dome trumpet, three sizes, each	4.50

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-3115



M-3120



M-3125



M-3130



M-3135



M-3140

HEARING APPLIANCES—Continued

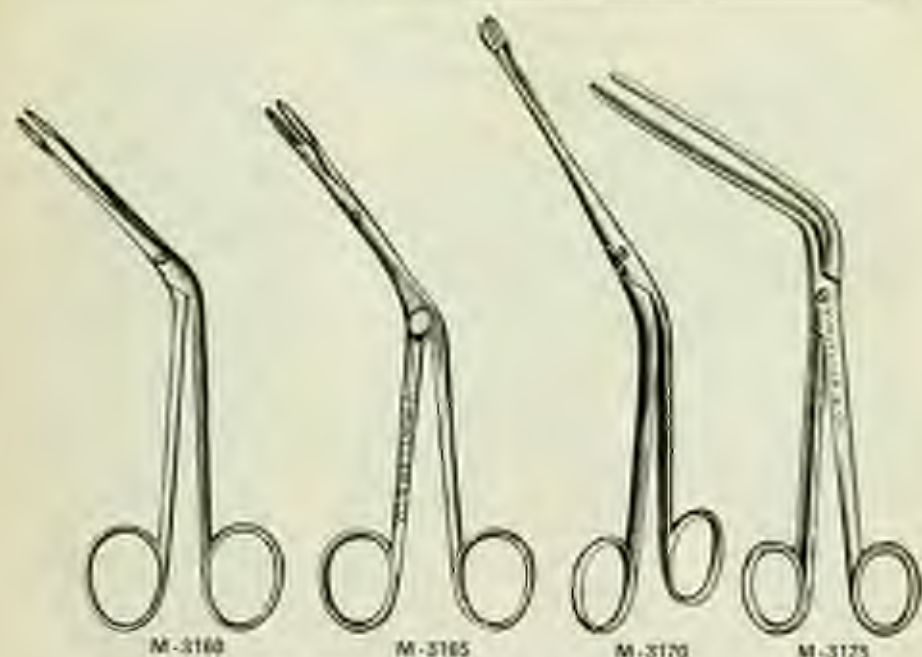
M-3115	Twist ear trumpet, made in three sizes, $\frac{1}{2}$ in. long, \$1.00; 1 in. long, \$1.50; 1 1/2 in. long, \$2.00.	
M-3120	Conversation tube, rubber, 2 ft. long, \$2.00; 4 ft. long, \$3.00.	\$2.00
M-3125	Large hearing horn, made in three sizes, small, \$1.50; medium, \$2.50; large, \$3.50.	\$1.50
M-3130	Large ear trumpet, nickel plated.	\$3.00
M-3135	Miss Green's hearing horn, small, \$1.00; large, \$1.50.	\$1.00
M-3140	Ardophone hearing horn, made of hard rubber.	\$2.50

Do not mutilate catalogue.—Specify section letter and number in ordering.



HEARING APPLIANCES—Continued

- M-3145 Stetho-Electrophone.** This appliance is a pocket telephone for those who are deaf and partially deaf. It is a perfect hearing device which improves the natural hearing. The chief merit of the Stetho-Electrophone is that in time it usually restores the unaided hearing. As must be admitted the foremost claim in construction of any artificial hearing device must be, not its manufacture ability to cause more distinct and stronger hearing power, but its capability of curing the affliction itself, and this is what the manufacturers of the Stetho-Electrophone claim their appliance will do in time. Complete with connecting cord and one set of batteries. \$25.00
- M-3150 Globe Ear Phone.** This apparatus is a pocket magnifying telephone for deaf people. It is easily adjustable by the user for different degrees of deafness, and for use under different conditions. The battery is worn concealed in a pocket or under a belt. The concentrating transmitter placed on or under the ear or wrist, catches all surrounding sounds and transmits them to the magnifying receiver, which is held to the ear by hand or by an adjustable head band. With the silk cord and the outfit also worn under the clothing there is little to attract attention or to indicate that one is wearing any sort of a hearing device. The Globe Ear Phone is made of aluminum, is very small and light in weight and yet very powerful. Come with batteries and head band in leather case, net \$30.00.
- M-3155 Vibrophone.** This is a simple mechanical instrument with an internal diaphragm for dividing and intensifying sound waves. \$5.00



M-3160

M-3165

M-3170

M-3175



M-3180

M-3185

M-3190

NASAL DRESSING FORCEPS

M-3160	Nasal dressing forceps, Hartmann's, with screw lock. 11 in. finger pattern with screw lock	\$1.25
M-3165	Nasal dressing forceps, Knight's, with screw or simple lock	2.50
M-3170	Nasal dressing forceps, Insula's, simple blades	1.25
M-3175	Nasal dressing forceps, Kienbocker's, with smooth blades	1.45
M-3180	Nasal dressing forceps, Moschardt's, very simple blades	1.45
M-3185	Nasal dressing forceps, Gieseler's, 7 in. long	1.90
M-3190	Nasal dressing forceps, Guyon's shape, Greenwood's, 5 in. long	1.25

Do not mutilate catalogue—Specify section letter and number in ordering.



M-3195



M-3215



M-3200



M-3205



M-3210



M-3220

DRESSINGS AND DRESSING JARS

M-3225 Beck's machine for cutting paper covered cotton products \$7.00

The machine here illustrated is so constructed as to cut any size piece of cotton wrapped with sterile paper, which will never as a consequence against contamination while wrapping the cotton in the applicator.

M-3200 Glass jar, with ground top for storing Beck's cut and sterilized cotton plasters. \$1.00

M-3205 Absorbent cotton, best quality for making ointments or dressings, used by the nose and throat specialists, in 1/4, 1/2 or 1 lb. rolls, at the prevailing market price.

M-3210 Absorbent cotton, No. 1 and No. 2 kept in stock in packages of 1 lb., 5 lbs., 25 lbs. and 50 lbs., at the prevailing market price.

M-3215 Cassette for tulle, gauze, iodoform or other antiseptic edge paper from 1/4 to 1 lb. wide, containing only \$2.00

M-3220 Sterile gauze, antiseptic edge, 5 yd. roll, \$1.00; 10 yd. roll, \$1.50; 25 yd. roll, \$3.00; 1 lb. wide, \$1.00; 5 lb. wide, \$3.00; 25 lb. wide, \$15.00

M-3225 Gauze jacket strips, plain sterilized non-antiseptic edge, in glass tubes, according to width from \$1.00 to \$1.50

M-3230 For dressings, package of 1 lb. absorbent adhesive plaster, zinc oxide, on spools of 1 lb. to 1 lb. wide, in rolls 7 in. and 12 in. wide 1 lb. each according to market \$5.00



M-3200



M-3225

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-3235



M-3240



M-3245



M-3250



M-3260

COTTON, GAUZE AND WASTE BOXES

M-3235	Cotton box with waste receptacle attached.	\$2.00
M-3240	Cotton waste box, Campbell's.	1.50
M-3245	Cotton receptacle, Phillips.	1.50
M-3260	Container for gauze packet strips in bands of three different widths. After using the shelves can be closed and the material kept sterile, and if necessary the whole box and contents can be sterilized without removing the contents. An unusual for sterilized edge gauge of 1, 2 and 3 cm. wide.	5.00
M-3235	Sterilized edge gauze for use in cases consisting of the prevailing market price.	
M-3200	Cotton waste box, Faircliff's.	1.00

Do not mutilate catalogue—Specify section letter and number in ordering.



M-3265



M-3270



M-3275



M-3280



M-3285



M-3290



M-3295

NASAL SPECULA

M-3265	Nasal specula, Duval's latest pattern with set screw	\$1.00	M-3270	Nasal specula, Fyfe's, two sizes, each	\$1.50
M-3270	Nasal specula, Munro's	1.00	M-3275	Nasal specula, Fyfe's	1.50
M-3275	Nasal specula, Hartmann's	1.00	M-3280	Nasal specula, Hartmann's, extra long blades	1.25
M-3280	Nasal specula, Vonas pattern, latest model	1.00			

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-3300



M-3305



M-3310



M-3315



M-3320



M-3325



M-3330



M-3335



M-3340



M-3345



M-3350

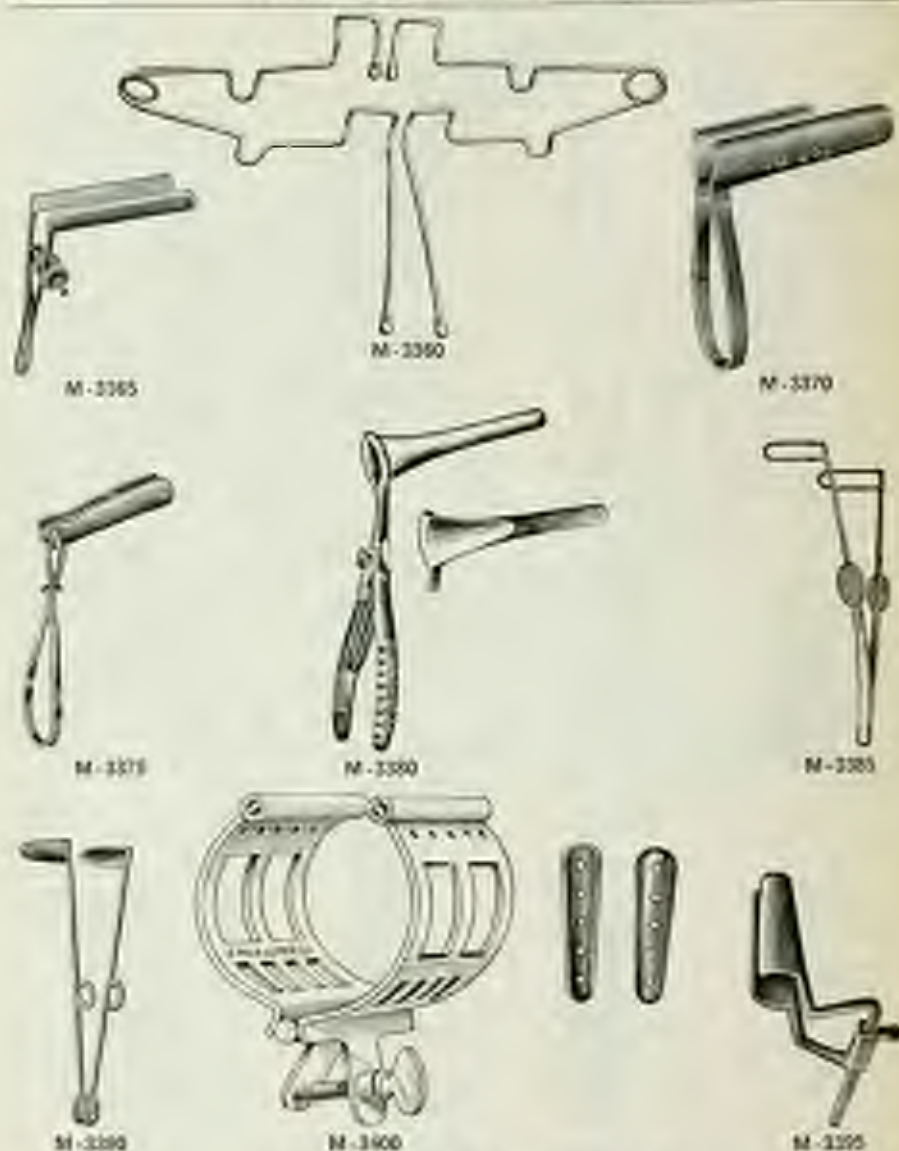


M-3355

NASAL SPECULA—Continued

M-3300	Nasal specula	Farrell's	.....
M-3305	Nasal specula	Farrell's	.....
M-3310	Nasal specula	Farrell's	.....
M-3315	Nasal specula	Farrell's	.....
M-3320	Nasal specula	Farrell's	.....
M-3325	Nasal specula	Farrell's	.....
M-3330	Nasal specula	Farrell's	.....
M-3335	Nasal specula	Farrell's	.....
M-3340	Nasal specula	Farrell's	.....
M-3345	Nasal specula	Farrell's	.....
M-3350	Nasal specula	Farrell's	.....
M-3355	Nasal specula	Farrell's	.....

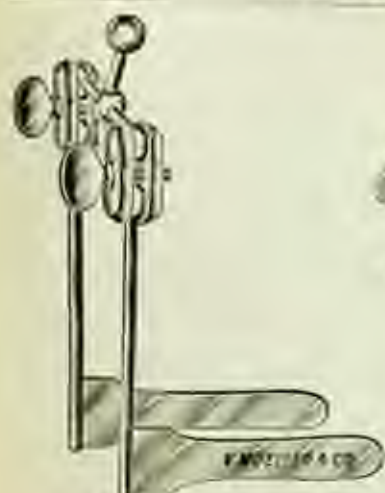
Do not mutilate catalogue—Specify section letter and number in ordering.



SUBMUCOUS NASAL SPECULA, ETC.

M-3398	Specula, Allen-Hoffmann's curved pattern with handle, right and left, each....	\$1.00
M-3399	Specula, Goldstein's.....	1.00
M-3400	Specula, Haller's, r. and l., each.....	1.00
M-3401	Specula, Prichard's.....	1.00
M-3402	Specula, Killion's, three sizes, blades 3, 4, and 5 cm. long, of tempered steel-very thin, each.....	1.00
M-3403	Specula, Rosenkrantz's, imported, made of steel, tempered.....	1.00
M-3404	Specula, Hensen's, two sizes, each.....	1.00
M-3405	Specula, Carter's, made of steel, tempered.....	1.00
M-3406	Nasal syringe, Carter's with hard rubber splint.....	1.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-3405



M-3409



M-3415



M-3420



M-3425



M-3430



M-3435

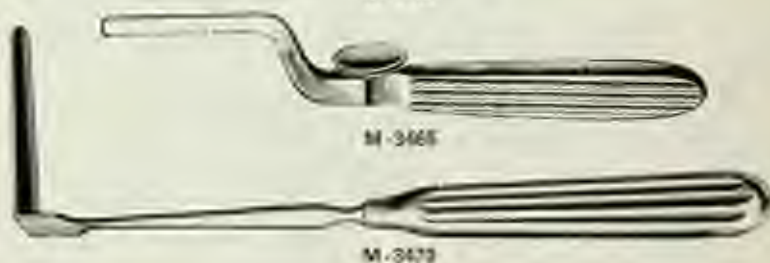


M-3440

SUBMUCOUS SPECULA—Continued

M-3405	Specula, Deane's, for use with head band.....	\$2.00
M-3409	Specula, Deane's modification of Killian's, self-retaining.....	1.75
M-3415	Specula, Foster-Ballenger's, with blades 4 1/2 and 5 1/2 in. long, each.....	2.00
M-3420	Specula, Itz's, two sizes, each.....	1.00
M-3425	Specula, Tashiro's.....	1.40
M-3430	Specula, Mosher's, with two sets of blades.....	3.00
M-3435	Neck clamp, submucous, Beck's.....	2.00
M-3440	Specula, Minstrel's.....	1.75

Do not mutilate catalogue.—Specify section letter and number in ordering.



STERILIZABLE INSTRUMENTS

M-3445	Blunt dissector and box, Froese's, for removing debris	11.00
M-3450	Blunt and sharp elevator, Froese's	1.75
M-3455	Retractor instruments, Froese's from A to E with the exception of H, N and T, each	1.50
	Figures H, N and T, each	1.25
M-3460	Retractor knife and box, Froese's	1.00
M-3465	Elevator, sharp, bayonet form, Killian's, - and - each	1.75
M-3470	Submaxillary retractor, Froese's, long	1.40

All of our Froese's retractors are of the latest pattern, reinforced around the edges.

Do not mutilate catalogue.—Specify section letter and number in ordering.



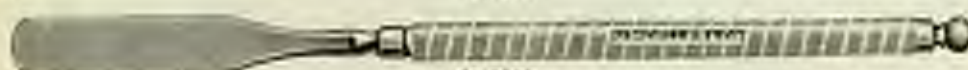
M-3475 M-3480 M-3485 M-3490 M-3495 M-3500 M-3505 M-3510 M-3515 M-3533



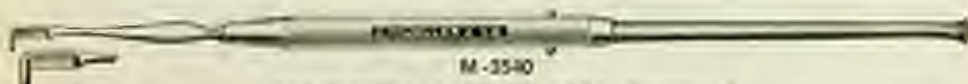
M-3525



M-3530



M-3535

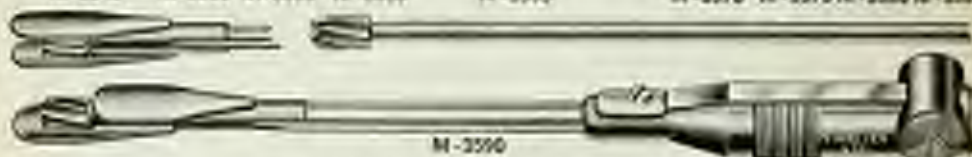
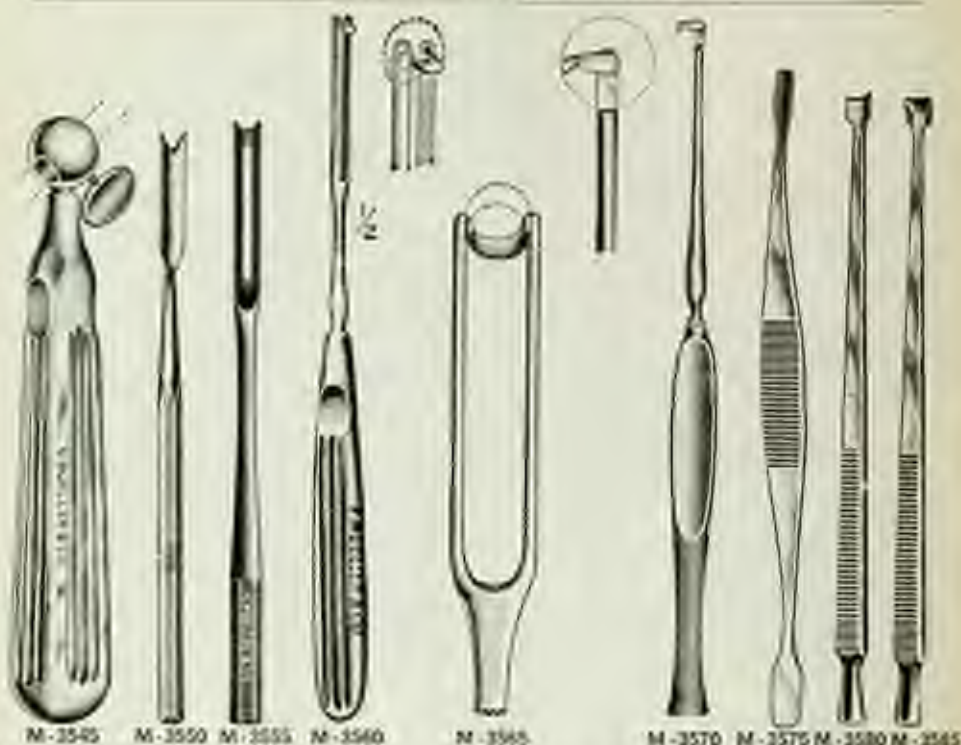


M-3540

SURMUCOUS INSTRUMENTS.—Continued

- M-3475 Pericraniotome, Fero's, right and left, or one handle.
 M-3480 Suction knife, Allen's.
 M-3485 Suction knife, Barker's, double edged.
 M-3490 Suction knife, DeBorja's.
 M-3495 Dissector, subcutaneous, Fero's, r. and l. on one handle.
 M-3500 Dissector, subcutaneous, Fero's, Barker's, blunt and sharp on one handle.
 M-3505 and M-3510 Dissectors, Barker's, blunt and sharp, each.
 M-3515 and M-3520 Dissectors, Barker's, blunt and sharp, each.
 M-3525 Gauge packer and dissector, Barker's.
 M-3530 Pericraniotome, Fero's.
 M-3535 Suction knife, Barker's, used for applying coagulated strips of gauze for local anæsthesia.
 M-3540 Suction knife, Barker's.

Do not mutilate catalogue.—Specify section letter and number in ordering.



SURGICAL INSTRUMENTS—Continued

M-3545	Universal handle, for use with Hays and Steinmann chisels	\$1.50
M-3550	Septum chisel, Hays's, Y shaped	1.25
M-3555	Septum chisel, Steinmann's, fenestrated	2.50
M-3560	Swivel knife, Ballenger's, small and medium, each	2.50
Swivel knives may made both straight and S-shaped.		
M-3565	Swivel knife, Ballenger's, large for removing turricles	3.00
M-3570	Swivel marrow tap knife, Ballenger's	3.75
M-3575	Dissector, submucous, Spence's, double ended	1.75
M-3580	Grasper, submucous, Spence's	1.75
M-3585	Chisel, submucous, Spence's	1.75
M-3590	Septum bone drill, Brown's	2.00
M-3595	Needle, submucous, Gillies's, for universal handle, each	1.25
M-3600	Steel dissector, M-3595 sharp, Blumenthal, M-3610 short blunt dissector, (Kilian's, for universal handle) each	2.00





M-3640



M-3615



M-3620



M-3625



M-3630



M-3635

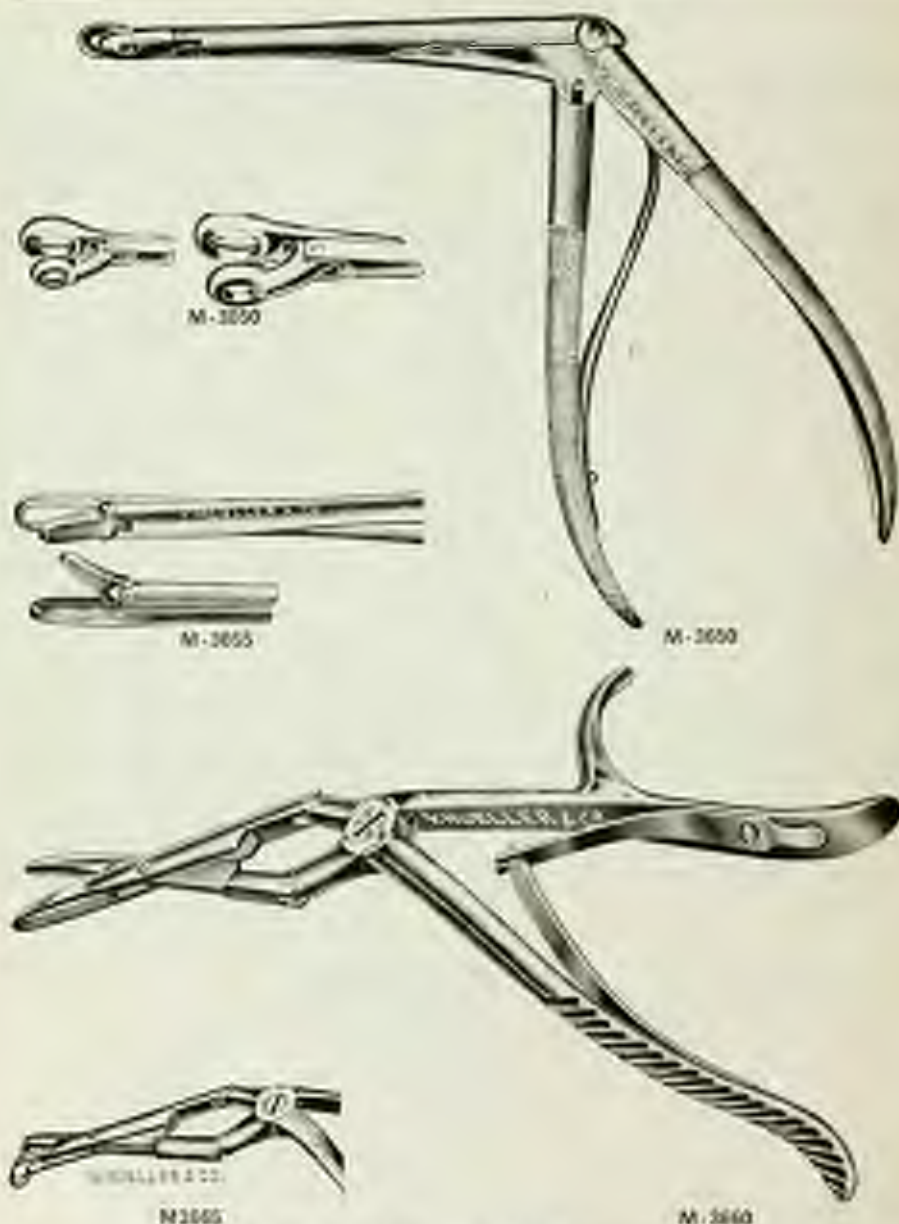


M-3645

SEPTUM BONE FORCEPS, ETC.

M-3615	Septum scissors, Arch's, straight.....	\$1.00
M-3620	Septum scissors, Arch's, curved.....	4.00
M-3625	Septum straightener, Arch's.....	2.50
M-3630	Septum straightener, Kyle's.....	2.50
M-3635	Septum forceps, Barr's, two sized, each.....	10.00
M-3640	Septum cutting edge, Hallinger's.....	1.00
M-3645	Septum spoke shave, Barr's, (see illustration).....	2.50
M-3650	Septum bone forceps, Hallinger-Forster's, latest model.....	5.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



SEPTUM ROSE FORCEPS—Continued

M-3550	Septum rose forceps, Piquet's, made in two sizes, and 1 and 2, each	\$10.00
M-3555	Septum rose forceps, Piquet's, with handles like figure M-3550, three patterns, vertical, L, and S, each	30.00
M-3560	Septum rose forceps, Piquet's, with handles like figure M-3550	32.00
M-3565	Septum rose forceps, Piquet's, with handles like figure M-3550	33.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-3870



A



M-3880



M-3875



M-3885

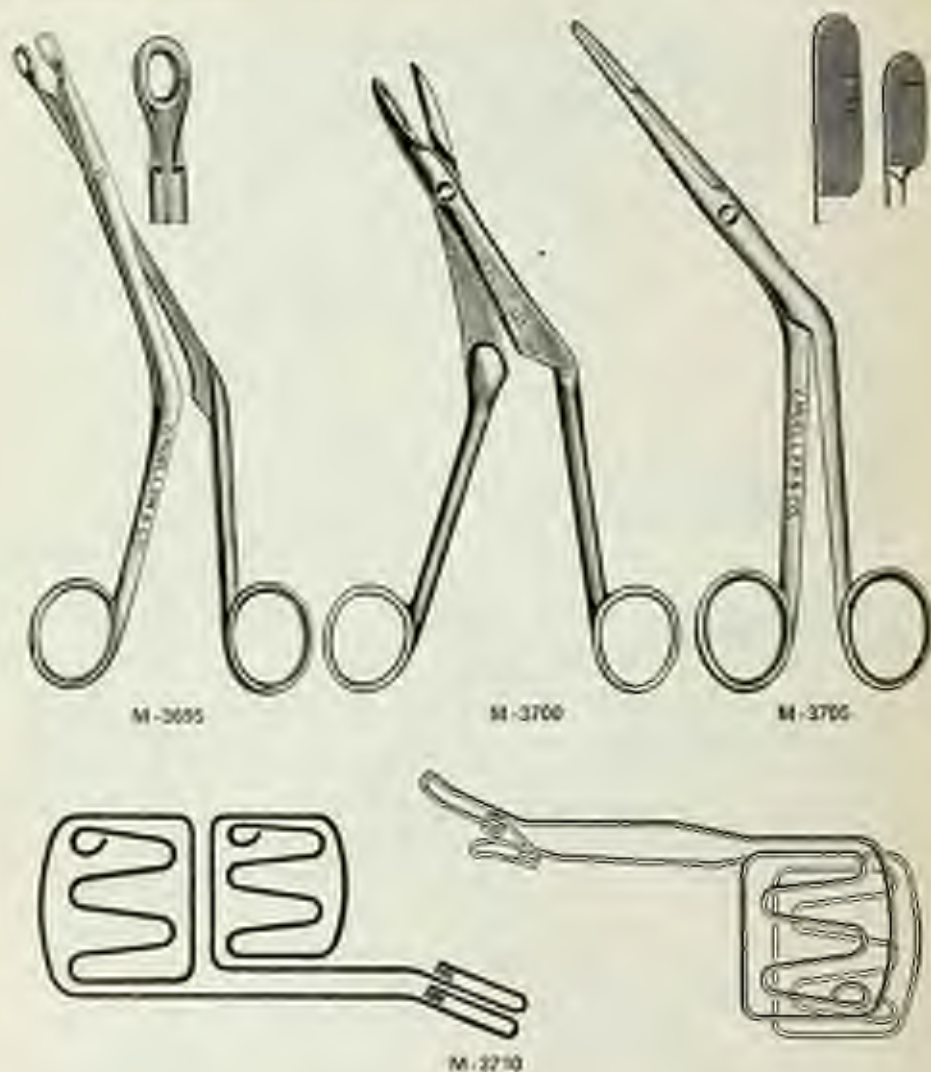


M-3890

SEPTAL RIDGE FORCEPS

M-3870	Septal ridge forceps, Bryant's	\$2.00
This forceps is also one of the best mastoid forceps.		
M-3875	Septal ridge forceps, Testa's	5.00
M-3880	Septal ridge forceps, Hise's, lateral model, can be set in every direction	5.50
M-3885	Septal ridge forceps, McCoy's, straight	5.50
M-3890	Septal ridge forceps, McCoy's, curved	4.50

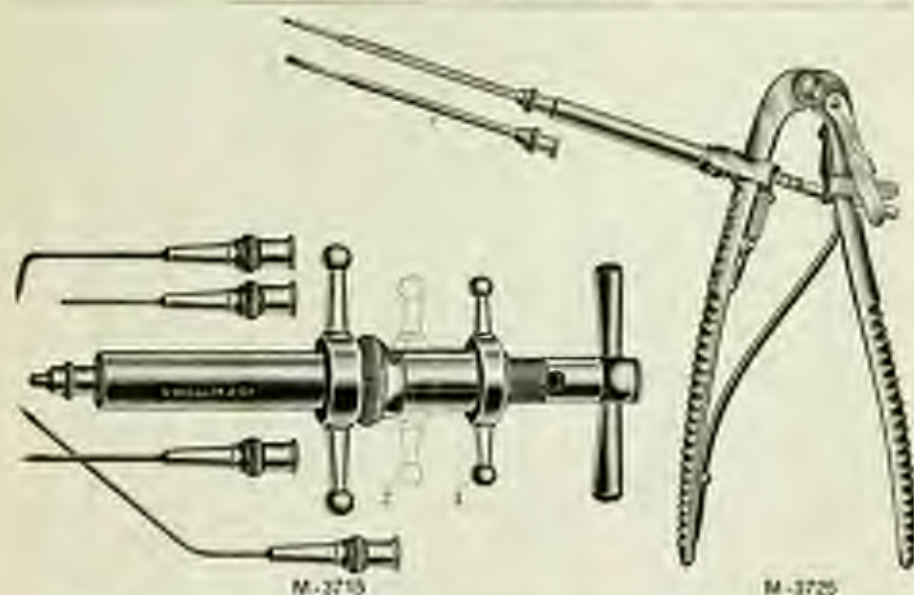
Do not mutilate catalogue.—Specify section letter and number in ordering.



SEPTUM FORCEPS AND CLAMPS

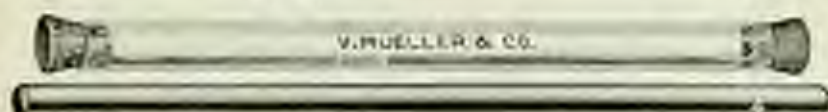
M-3695	Septum forceps, Irwin's	25 00
M-3700	Septum forceps, Hard's	4 00
M-3705	Septum forceps, Killian's, made in two sizes, each	2 50
M-2710	Septum clamp, Irwin's, for pressing the nasal membrane against the septum after rhinotomy operation, instead of using tampons or coils. Made in three sizes, large, long and short. One pair necessary. Pair	1 75

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-3713

M-3725



M-3729



M-3730

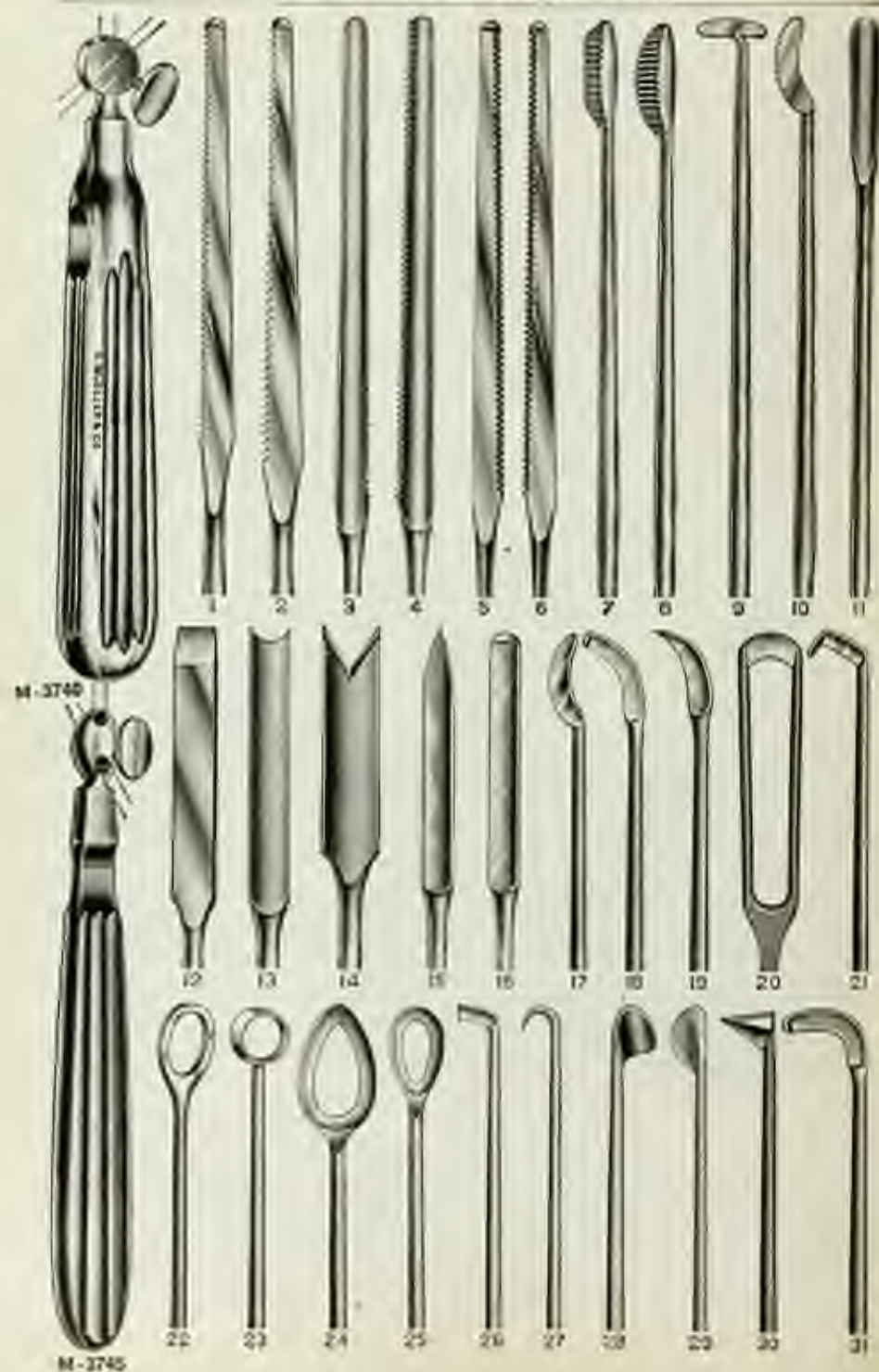


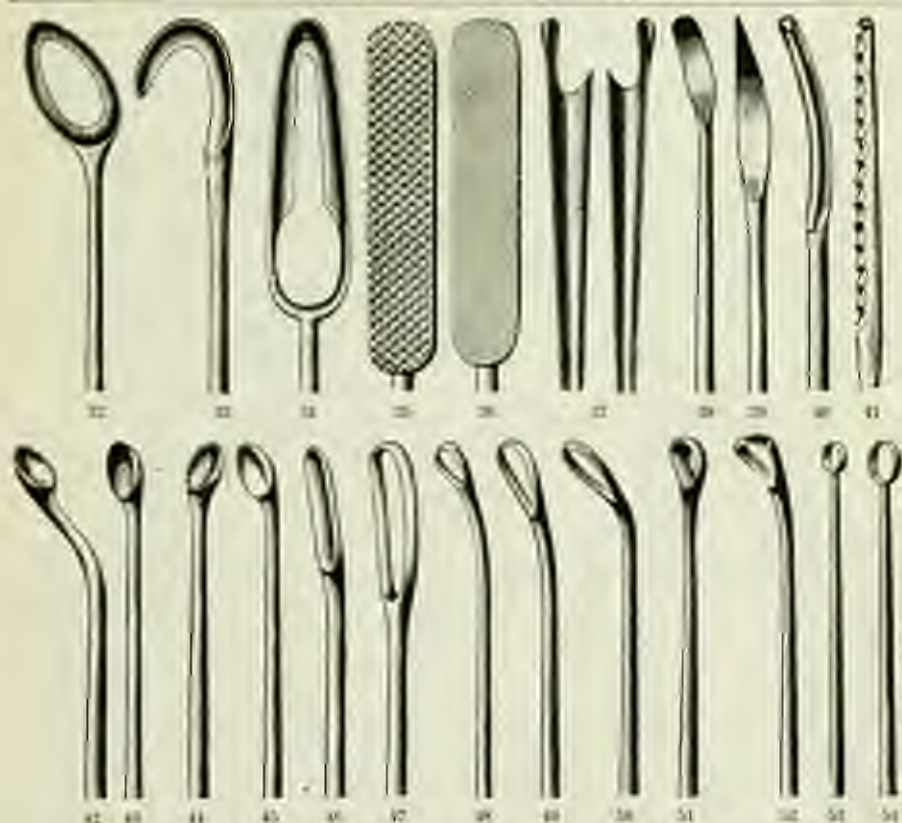
M-3735

PARAFFIN SYRINGES AND PARAFFIN

M-3713	Cold paraffin syringe, Beck-Master's, with four tubes of sterilized sealed Onodis' paraffin, in case.....	\$12.00
M-3729	Paraffin ready for use in the Beck-Master paraffin syringe, tube, 30 cc.; dozen.....	1.00
M-3730	Cold paraffin syringe, Beck-Master's with six tubes of paraffin, in case.....	3.00
M-3735	Paraffin syringe, Harmon Smith's, 5 cc., 25 cc.; 30 cc.....	2.00
M-3736	Paraffin for use in the Harmon Smith's paraffin syringe, bottle.....	.50

Do not mutilate catalogue.—Specify section letter and number in ordering.

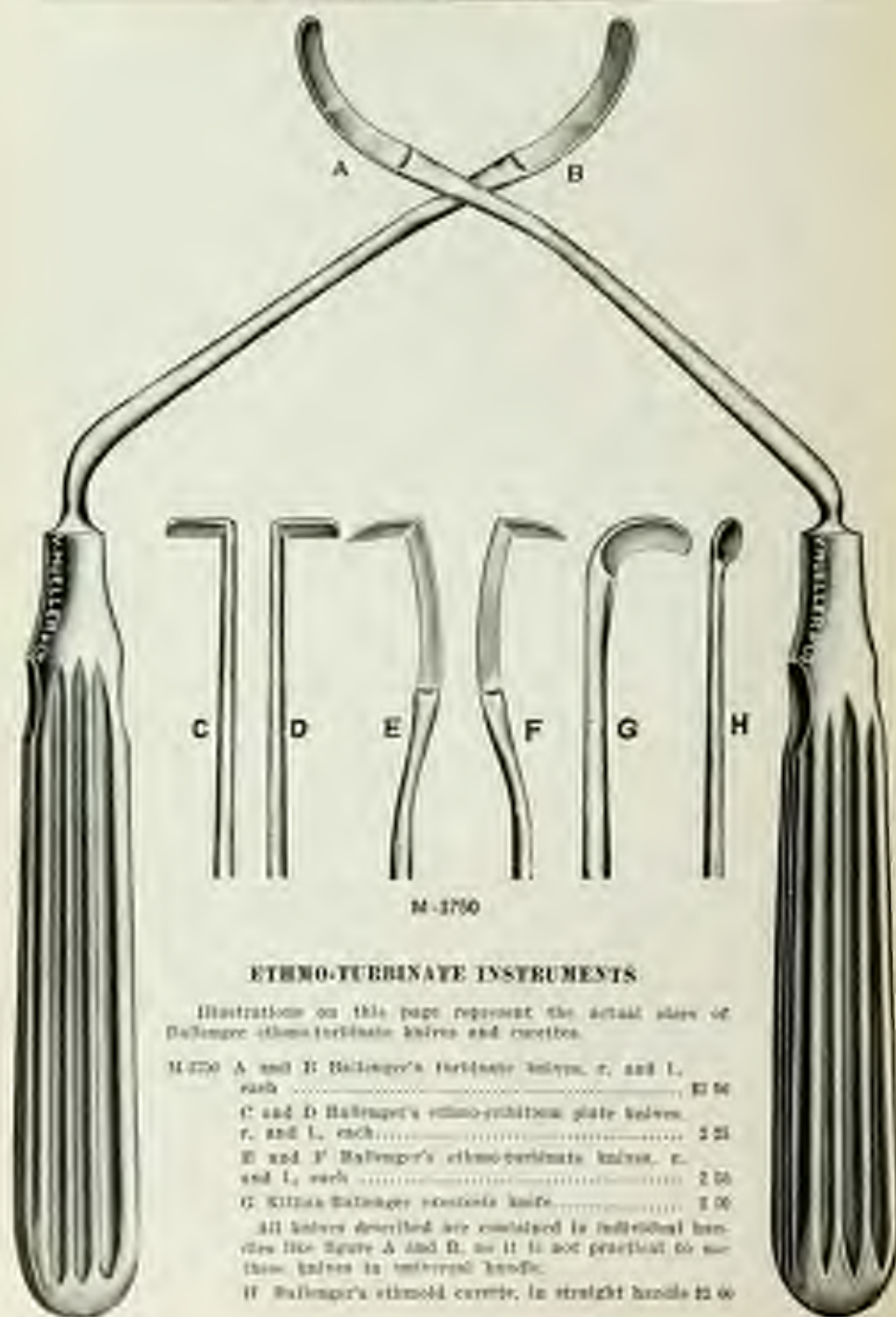




NASAL OPERATING INSTRUMENTS

Miles and Miles' Universal Handles for Nasal Operating Instruments, large and small, each		\$1.50
No. 1 Nasal Saw, Bonecut's	20.00	
No. 2 Nasal Saw, curved, cross cut	1.00	
No. 3 and 4 Nasal Saws, Lynch's, convex blades, each	1.00	
No. 5 and 6 Nasal Saws, Half's, level-edged, r. and l., each	1.00	
No. 7 and 8 Knives, Pettibone's, two sizes, each	1.75	
No. 9 and 10 Septum Saws, Kyle's, vertical and horizontal, each	1.00	
No. 11 Gouge, small, Brown's	.75	
No. 12 and 13 Chisel and gouge, plain, each	.50	
No. 14 Gouge, V shaped, Hajek's, two sizes, each	1.00	
No. 15 and 16 Kiefer's, sharp and blunt pointed, each	1.10	
No. 17 Septum Knife, Kyle's	1.00	
No. 18, Septum Knife, Brown's, full curved, blunt	1.25	
No. 19, Septum Knife, Allen's	1.25	
No. 20, Spoke Sharer, Nichols', two sizes, each	1.00	
No. 21, Septum Knife, Douglas', hook shape	1.25	
No. 22, Nasal Curette, Kyle's, blunt	1.00	
No. 23, Nasal Curette, sharp	1.25	
No. 24, Spoke Sharer, Deeken's, heart shape, two sizes, each	1.00	
No. 25, Nasal Curette, sharp	1.00	
No. 26 and 27 Hooks, Hajek's, flat sharp and sharp pointed, each	.50	
No. 28 Spoke Sharer, Schuler's, r. and l., each	1.00	
No. 29 Septum Knife, Ingram's	1.25	
No. 30 Septum Knife, Douglas', spear shape	1.25	
No. 31 Knott's Knife, Killian's	1.25	
No. 32 Spoke Sharer, Foy's	1.00	
No. 33 Spoke Sharer, Major's	1.25	
No. 34 Spoke Sharer, Moore's	1.00	
No. 35 and 36 Rasp and File, each	1.00	
No. 37 Gouge, Walker's, each	1.25	
No. 38 and 39 Septum chisel and Elevator, each	.50	
No. 40 Septum Knife, Miller's, double edge	1.00	
No. 41 Septum Saw, Paul's, wire edge	1.25	
No. 42 to 54 Nasal and Nasal Curettes, each	1.25	
Any of the above instruments mounted in plain octagonal handle at the additional cost of \$1.00.		

Do not mutilate catalogue.—Specify section letter and number in ordering.



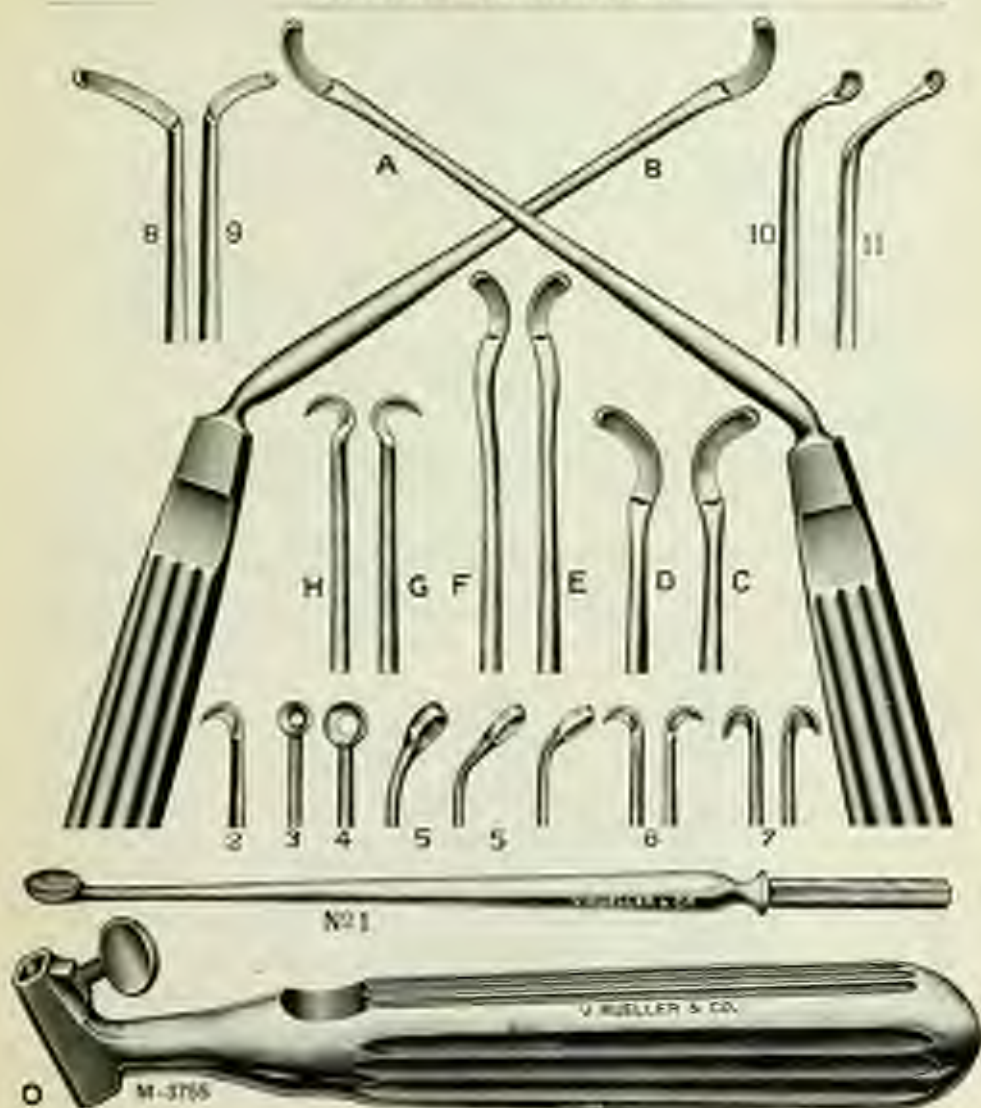
ETHMO-TURBINATE INSTRUMENTS

Illustrations on this page represent the actual sizes of Hallenger's ethmo-turbinate knives and curettes.

M-3750 A and B Hallenger's turbinates knives, r. and l., each	\$2.50
C and D Hallenger's ethmo-turbinate plate knives, r. and l., each	2.25
E and F Hallenger's ethmo-turbinate knives, r. and l., each	2.50
G. Killion Hallenger's ethmo-turbinate knife	1.00

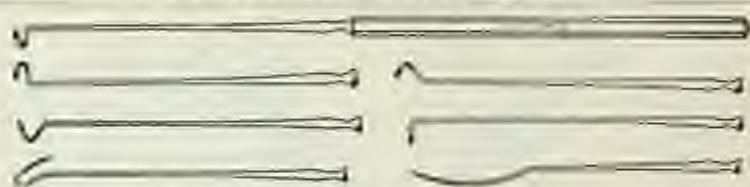
All knives described are contained in individual handles like figure A and B, as it is not practical to use these knives in universal handle.

H. Hallenger's ethmoid curette, in straight handle \$2.00



FISH'S SINUS INSTRUMENTS

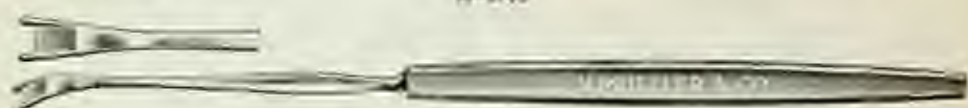
- M-3755 Universal Handle with square hole which allows instruments to be set solid in any direction.
- No. 1 2 and 3 Cutting Curettes, each..... 1 00
- No. 4 Universal Hook Knife..... 1 00
- No. 5 Ethmoidal Curettes, different sizes and lengths, each..... 1 00
- No. 6 Knife for opening Ethmoidal Labyrinth. The flat upper surface prevents perforating the roof of the nostril, each..... 1 00
- No. 7 Knives for enlarging sphenoidal sinuses, r. and l., each..... 1 00
- No. 8, 9, 10 and 11 Knives and Curettes, for removing postnasal wall of frontal sinus, the mucous membrane on anterior wall remaining intact, and opening frontal sinus intrinsically, each..... 3 00
- All instruments described from No. 1 to 11 are made to fit in universal handle.
- Figures A, B, C and D Knives, for amputating middle turbinate intact, two curves, r. and l., each..... 2 00
- Figures E and F Knives, for making oval window in sphenoidal sinus, downward cut, r. and l., each..... 2 00
- Figures G and H Knives, large also, for opening ethmoidal labyrinth, r. and l., each..... 2 00
- Knives from A to H are by individual stationary handles as it is not practical to use these knives in universal handle.



M-3769



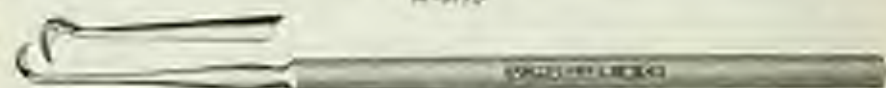
M-3765



M-3770



M-3775



M-3785



M-3790

M-3795

TUBERCULOMY INSTRUMENTS

M-3796	Tuberculectomy large needles, Yankelson's, seven different patterns, each.....	\$1.75
M-3797	Tuberculectomy small, Yankelson's.....	1.50
M-3798	Tuberculectomy small, Yankelson's.....	1.50
M-3799	Tuberculectomy knives, right and left, Sinker's, with square shanks for Universal handles, figure M-3795, each.....	1.50
M-3800	Tuberculectomy knife, Sinker's, universal, not illustrated, each.....	1.50
M-3801	Tuberculectomy knives, Sinker's, right and left, each.....	1.50
M-3802	Tuberculectomy knives, Sinker's, cutting downward.....	1.50
M-3803	Tuberculectomy forceps, Sinker's, cutting upward.....	1.50

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-3795



M-3800



M-3805



M-3810



M-3815



M-3820



M-3825

DIAGNOSTIC AND OTHER NASAL INSTRUMENTS

M-3795	Nasal packer, Cassellberry's	25 00
M-3800	Nasal saw, Rosemuth's, up and down, each	1 00
M-3805	Speculum for examining the nose, Neuss's, complete in case	5 00
M-3810	Speculum, Swan's, new model	4 50
M-3815	Nasal mirror, made of highly polished metal, used for the purpose of indicating the amount of obstruction in the nasal cavity by reflection, Swann's	2 00
M-3820	Rubber rods, Cassellberry's, each	25
M-3825	Cannula, Devoigne's	1 00

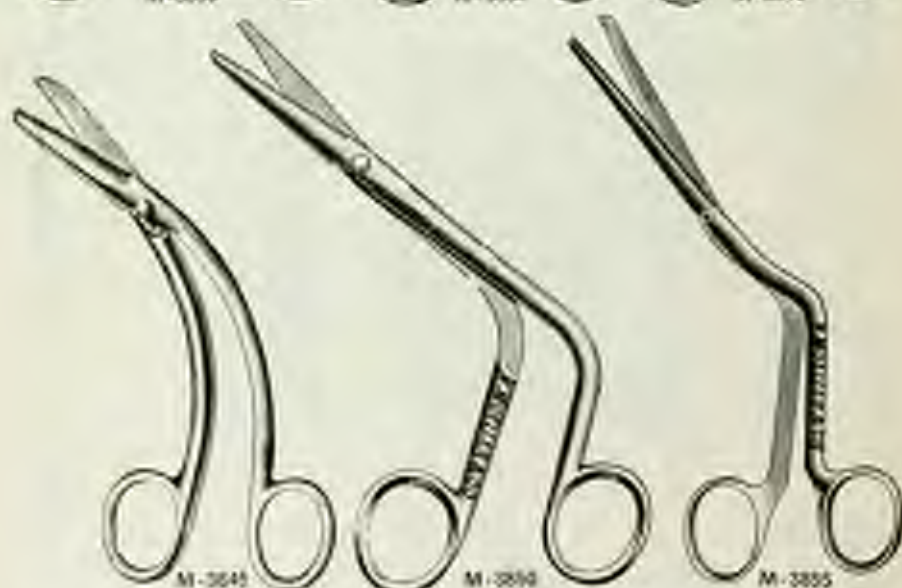
Do not mutilate catalogue.—Specify section letter and number in ordering.



M-3830

M-3835

M-3840



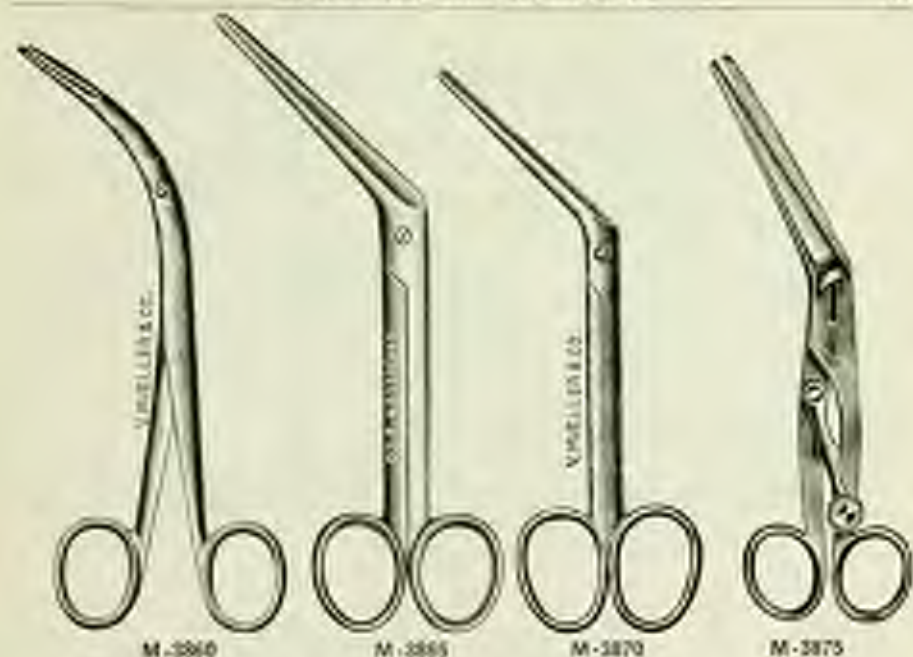
M-3845

M-3850

M-3855

NASAL SCISSORS

M-3830	Nasal scissors.	Knight's improved, with screw lock and saw teeth on lower blade.	\$2.00
M-3835	Nasal scissors.	Lockman's for upper turbinates.	\$2.00
M-3840	Nasal scissors.	Lockman's with saw teeth on lower blade.	\$2.00
M-3845	Nasal scissors.	Knight's original pattern.	\$2.00
M-3850	Nasal scissors.	Cassberry's, with saw teeth.	\$2.00
M-3855	Nasal scissors.	Putter's.	\$2.00
M-3860	Nasal scissors.	Large's.	\$2.00

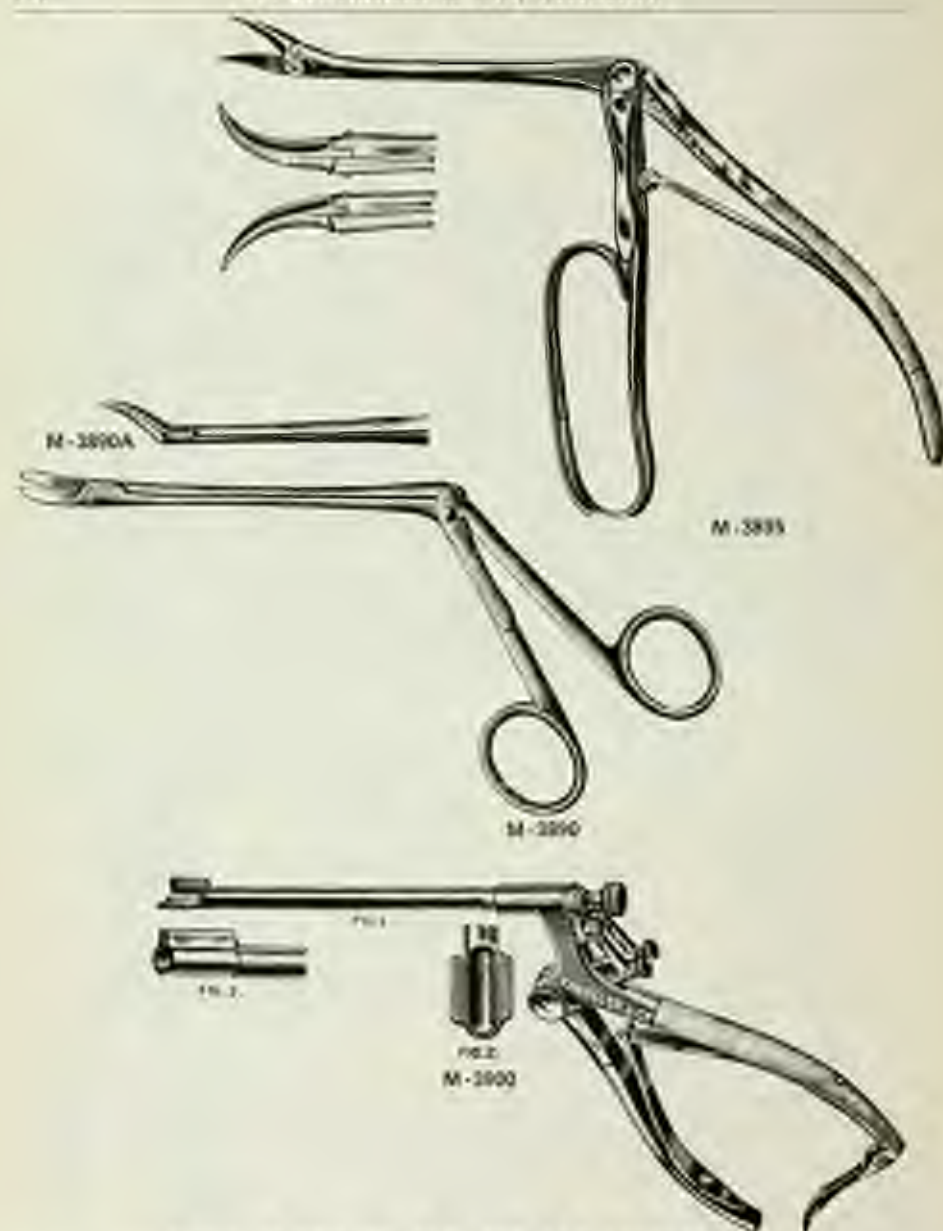


NASAL SCISSORS AND TURBINOMES

M-3860	Middle nasals scissors, Dochmann's, new pattern	\$2.50
M-3865	Nasal scissors, Keller's, heavy	1.75
M-3870	Nasal scissors, Keller's, light pattern	1.75
M-3875	Turbinates scissors, Mas- ter's, (Finna)	5.25
M-3880	Turbinotome, Hertel's	3.00
M-3885	Turbinotome, Jackson's	2.75



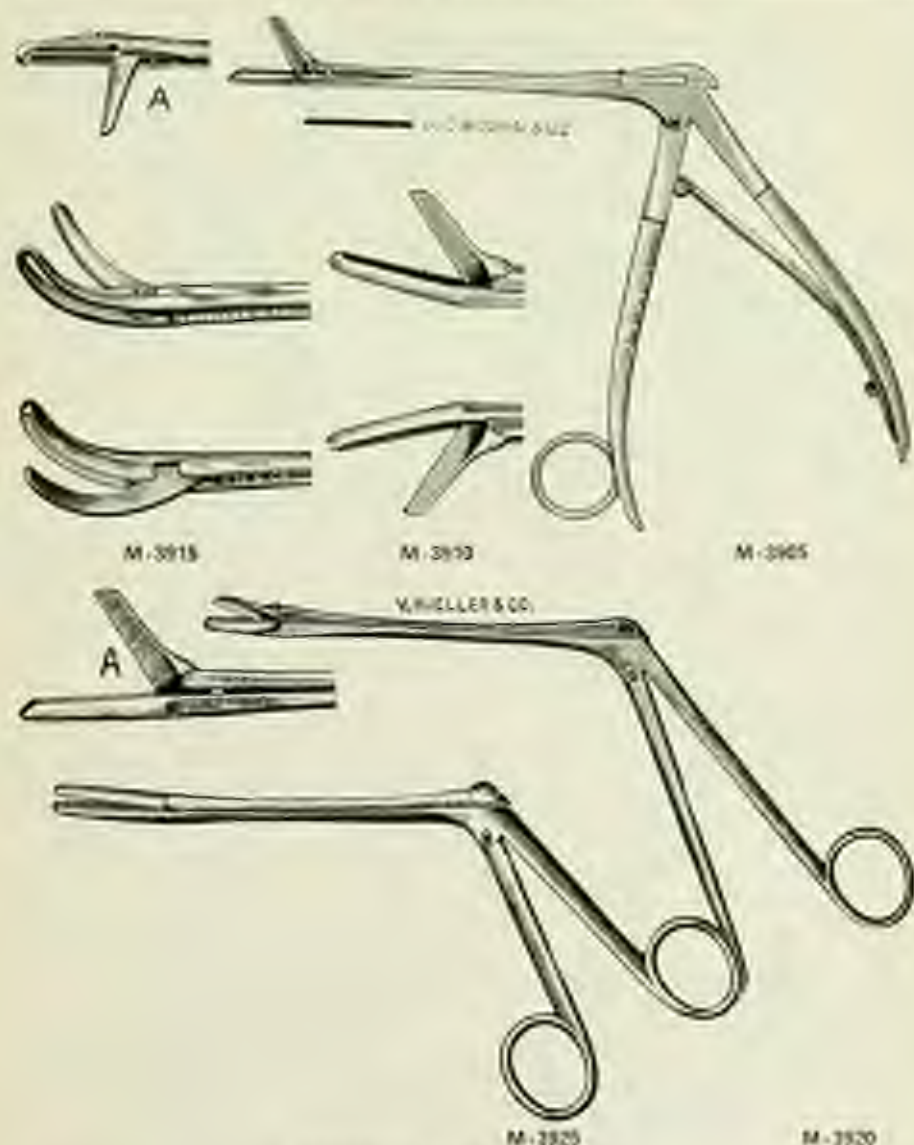
Do not mutilate catalogue.—Specify section letter and number in ordering.



NASAL TURBINATE SCISSORS AND ANGIOTRIPE

- | | | |
|---------|--|--------|
| M-3895 | Nasal scissors, "Mittelsch, Blotzner", made in three patterns, straight, right and left, original pattern with ring handle, each | \$4.25 |
| M-3890A | Nasal scissors, "Mittelsch, Blotzner", cutting opened | 1.25 |
| M-3890 | Nasal scissors, "Mittelsch, Blotzner", made in three patterns, straight, right and left, improved pattern, each | 3.00 |
| M-3900 | Crutch-Angiotribe, Beck's, for crushing the lower edge of the turbinates to prevent hemorrhage after operation | 17.50 |

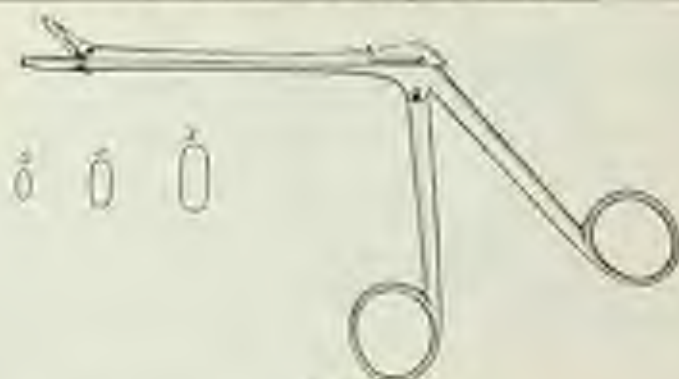
Do not mutilate catalogue.—Specify section letter and number in ordering.



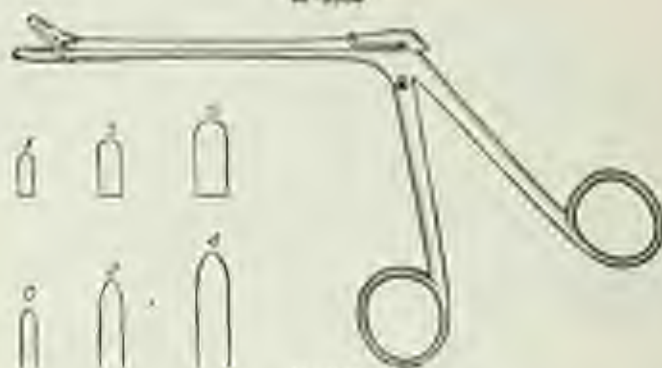
NASAL CUTTING FORCEPS

M-3905	Alligator cutting forceps, Van Streuchen's, specially well adapted for removing turbinates, vertical.....	\$5.50
M-3905A	Alligator cutting forceps, modified by Straker, cutting sideways, right and left, each.....	8.50
M-3908	Alligator cutting forceps, two patterns bent at right or left angle, vertical, each.....	8.00
M-3905	Alligator cutting forceps, cutting sideways, and curved upwards, right or left, each.....	8.50
M-3909	Alligator cutting forceps, Van Streuchen's with ring handle, vertical.....	8.50
M-3905	Alligator forceps, with serrated jaws, heavy for bony work.....	1.75

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-3930



M-3935



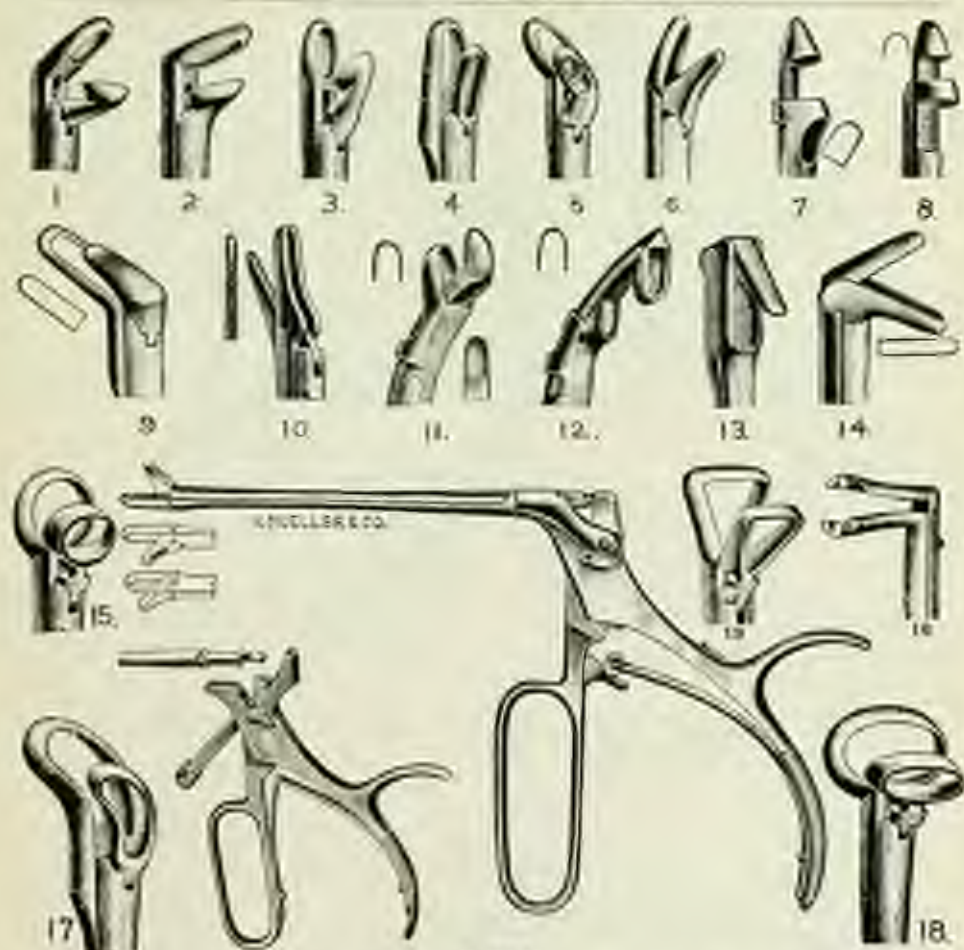
M-3940

M-3945

NASAL CUTTING FORCEPS—Continued

M-3930	Alligator cutting forceps, Bristle's, made in three sizes, each.....	\$7.50
M-3935	Alligator cutting forceps, Miller, Bristle's, 1, 2 and 3, each.....	7.00
M-3940	Alligator cutting forceps, Greenwald's latest pattern, figure 1, 2 and 3, each.....	7.50
M-3945	Alligator cutting forceps, Bristle's improved.....	7.50
M-3945	Alligator cutting forceps, Greenwald's, two patterns, up and down, fenestrated Made, each.....	8.00

Do not mutilate catalogues.—Specify section letter and number in ordering.



M-2000

NASAL AND TONSIL PUNCHES FOR UNIVERSAL HANDLE

M-2000 Universal handle for nasal and tonsil punches. This handle is so designed that the blades can be held in four different positions. Blades can be attached or detached from the handle in a moment's time. Blades only, without handle.

Cutting forceps, Greenwald's, figure 1, cutting up or down, three sizes, each	\$5.00
Cutting forceps, Greenwald's, extended, figure 1	5.50
Cutting forceps, Greenwald's, figure 2, three sizes, each	4.75
Cutting forceps, Mylre's, figure 1, three sizes, each	4.75
Cutting forceps, Greenwald-Kuchman's, figure 3, right or left, each	4.00
Cutting forceps, Lemmer's, figure 4, Ethmoid and sphenoid punch, Schmidt-Holmes's, figure 7	3.00
Sphenoid punch, DeWeese's	2.25
	1.50

Nasal cutting forceps, Mylre's, figure 1, heat right or left, each	\$4.25
Nasal cutting forceps, Stephenson-Ward, Jr., figure 10	5.00
Antrom punch, Wagoner's, figure 11, cutting forward	3.00
Antrom punch, Wagoner's, figure 12, cutting backwards	3.00
Antrom punch, Greenwald's, figure 13, cutting backwards	4.50
Nasal cutting forceps, Fry's, figure 14	5.50
Tonsil punch, Hartmann's, figure 15, three sizes, each	2.00
Applicator for Miltani Suture Clips after tonsil operation, figure 16	2.50
Tonsil punch, Mylre's, figure 17, right or left, each	3.00
straight	6.00
Tonsil punch, Hartmann's, figure 18, oval	3.00
Tonsil punch, Hartmann's, figure 19, triangular shape	4.00

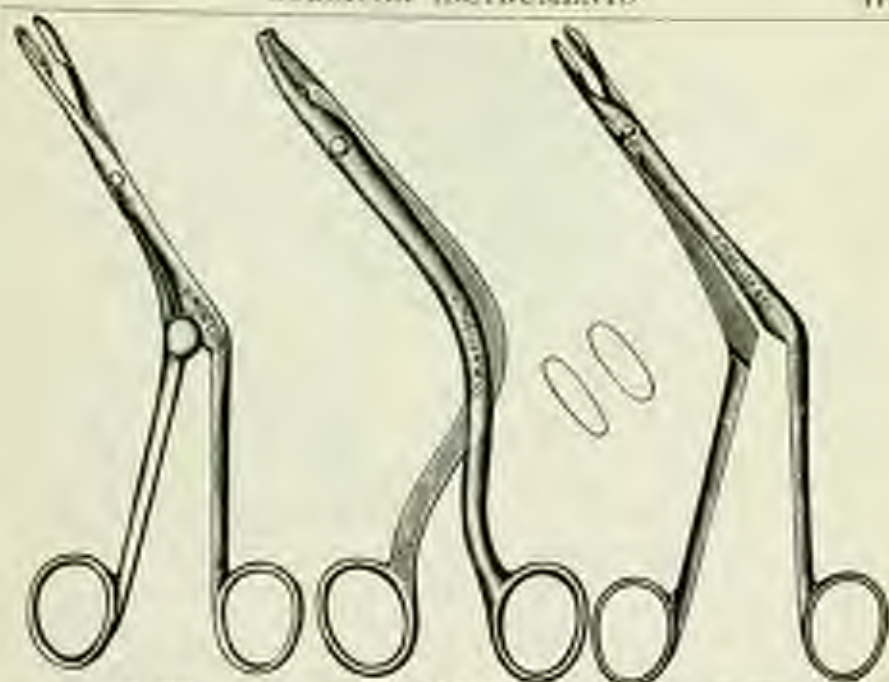
Do not mutilate catalogue.—Specify section letter and number in ordering.



NASAL CUTTING FORCEPS—Continued

M-3955	Nasal cutting forceps, Deschamps's, original pattern, straight, up and down, each.....	\$7.50
M-3960	Albion's cutting forceps, Hallmann's, upper blade fenestrated,.....	5.00
M-3965	Albion's cutting forceps, round fenestrated, three sizes, each.....	3.00

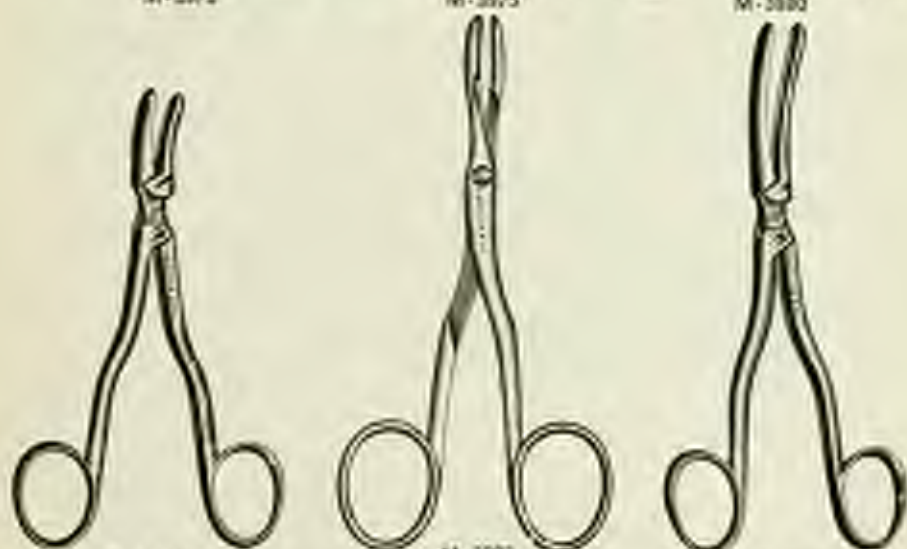
Do not mutilate catalogues.—Specify section letter and number in ordering.



M-3875

M-3875

M-3880



M-3885

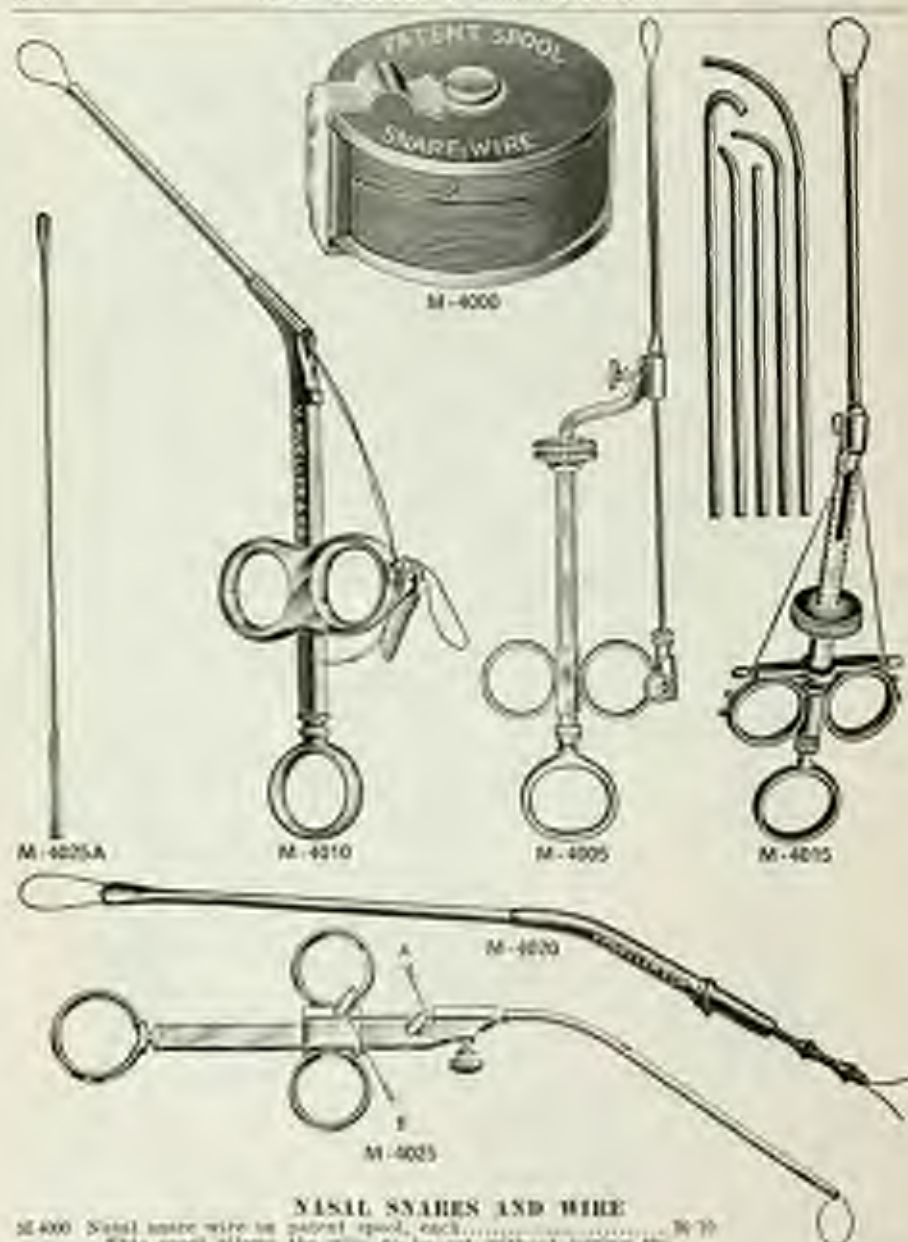
M-3895

M-3910

NASAL CUTTING FORCEPS—Continued

M-3875	Nasal cutting forceps, Knight's	11 11
M-3875	Nasal cutting forceps, Tyson's	11 11
M-3880	Nasal cutting forceps, Bergmann's, two sizes	11 11
M-3885	Nasal cutting forceps, bridge and middle turbinate, Prince's	11 11
M-3895	Nasal cutting forceps, middle and inferior turbinate	11 11
M-3910	Nasal cutting forceps, for turbinates, Weil's	11 11

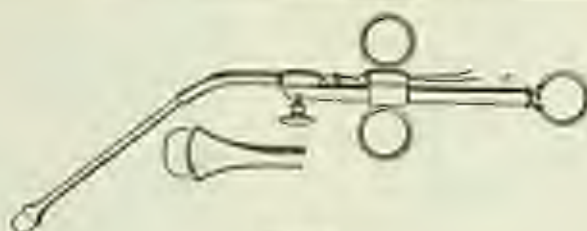
Do not mutilate catalogue.—Specify section letter and number in ordering.



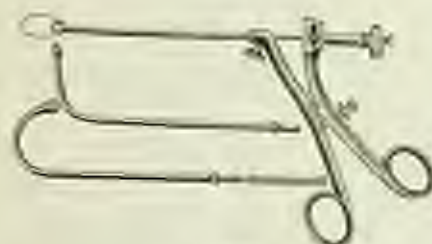
NASAL SNARES AND WIRE

M-4000	Nasal snare wire on patent spool, each.....	75
This spool allows the wire to be cut without leaving the remaining wire to become agitated.		
M-4005	Nasal snare, Martin's Improved.....	4 75
M-4010	Nasal snare, Kraymer's, with movable loop for holding wire, made entirely of steel, no bone sockets, no part can be lost.....	4 75
M-4015	Nasal snare, Kraymer's, made entirely of steel with iron handle.....	4 75
M-4020	Nasal snare tube, with automatically retracting loop fitting Kraymer's handle.....	3 25
M-4025	Nasal snare, Kraymer's wire carrier and wire.....	3 50
M-4025A	Wire carriers with serrated ends, for Kraymer's snares.....	40

See our multiple catalogues.—Specify section letter and number in ordering.



M-4390



M-4035



M-4340



M-4045



M-4050



M-4055

NASAL SNARES AND TENACULA

- M-4000 Nasal snare, Janssén's, with automatically re-
tracting loop \$1.50
- M-4002 Nasal snare, Japen-Barvier, with ring handle..... 1.75
- M-4040 Nasal snare, Wright's 5.00
- M-4044 Nasal and towel snare combined, Duff's..... 5.00
- M-4008 Nasal snare, Howarth's improved, with wire handle, \$1.75; original model..... 2.25
- M-4055 Tenacula forceps, Maystedt's, very delicate, for grasping small portions of the
tissue or polypus in the nose, and parts of the turbinates when they are removed
by means of a snare 2.50

Do not mutilate catalogues.—Specify section letter and number in ordering.



NASAL APPLICATORS AND PROBES

M-4060	Nasal applicators, three patterns, serrated, twisted or triangular, each.....	\$2.10
M-4065	Nasal applicator, Kyle's, control twisted end.....	1.00
M-4070	Nasal applicator, Ryan's.....	1.00
M-4075	Nasal applicator, Good's, flat handle, made of pure copper, twisted or triangular end, 3, 5, and 9 inch, each.....	1.00
M-4080	Nasal applicator, Andrews', made of aluminum, three sizes, one shown, \$1.00 each.....	1.00
M-4085	Nasal applicators, aluminum, shown, \$1.50, each.....	1.50
M-4090	Nasal probes, two patterns, made of silver, each.....	1.00
	Made of copper, each.....	1.00
M-4095	Nasal applicator with probe end, each.....	1.00
M-4100	Nasal probe with flat handle, each.....	1.00
M-4105	Nasal and ear applicators, Deary's, German silver, each.....	1.00
M-4110	Nasal and throat applicator, Swan's, triangular end, soft copper.....	1.00
M-4115	Nasal applicator, Hildner's, aluminum.....	1.00
M-4120	Post nasal applicator, Tyson's, aluminum.....	1.00
M-4125	Nasal applicators, made of wood, box of 72 shown.....	1.00



M-4125



M-4130



M-4140



M-4135



M-4145



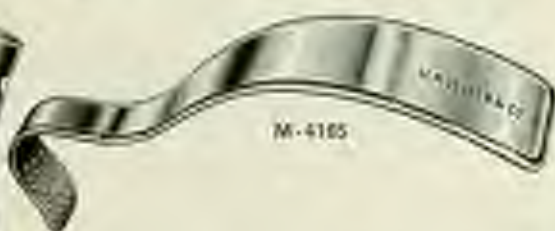
M-4185A



M-4155



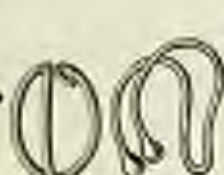
M-4150



M-4165



M-4160



M-4170

M-4175



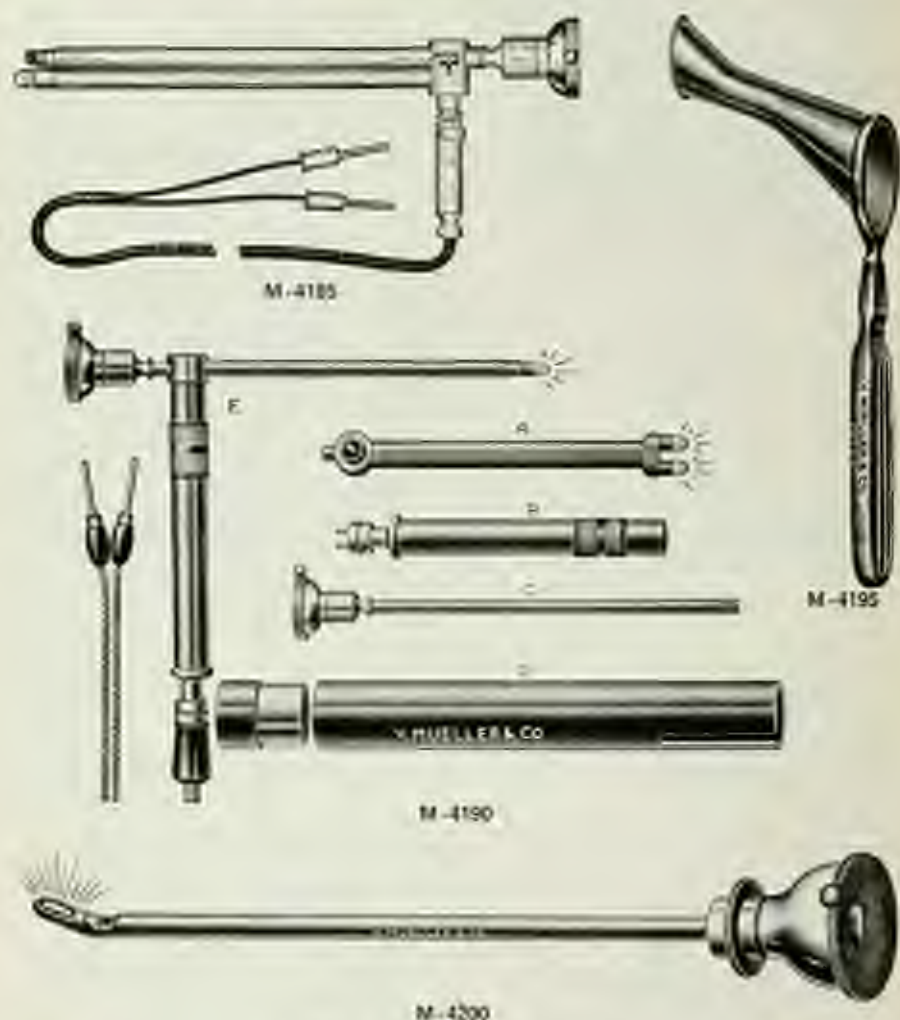
M-4180

M-4185

NASAL SPLINTS AND DILATORS

M-4125	Nasal splint, McKernan's, hard rubber, 4 sizes, each	\$5.50
M-4130	Nasal splint, Mayer's, hard rubber, 5 sizes, each	10.00
M-4135	Nasal splint, Jack's, hard rubber, 5 sizes, each	10.00
M-4140	Nasal splint, Farrell's, metal, 4 sizes, each	4.00
M-4145	Nasal splint, Kyle's, metal, non-perforated, 5 sizes, each	5.00
M-4150	Nasal splint, Kyle's, metal, extra long, 5 sizes, each	5.00
M-4155	Nasal splint, Kyle's, perforated, metal, 5 sizes, each	5.00
M-4160	Nasal splint, Kyle's, extra long perforated, metal, 5 sizes, each	5.00
M-4165	Nasal splint, for dentition of the nose, Andrew's	3.00
M-4170	Spongers, Breck's, 10 in. box, 50 in. box, 100 in. box, 15 in. box	3.00
M-4175	Nasal dilators, Francis, silver, three sizes, each	1.00
M-4180	Nasal dilator, Feldman's, three sizes, each	3.00
M-4185	Nasal dilator, Southam's, celluloid, Redd color, three sizes, set of two	1.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



PHARYNGO-LARYNGOSCOPES

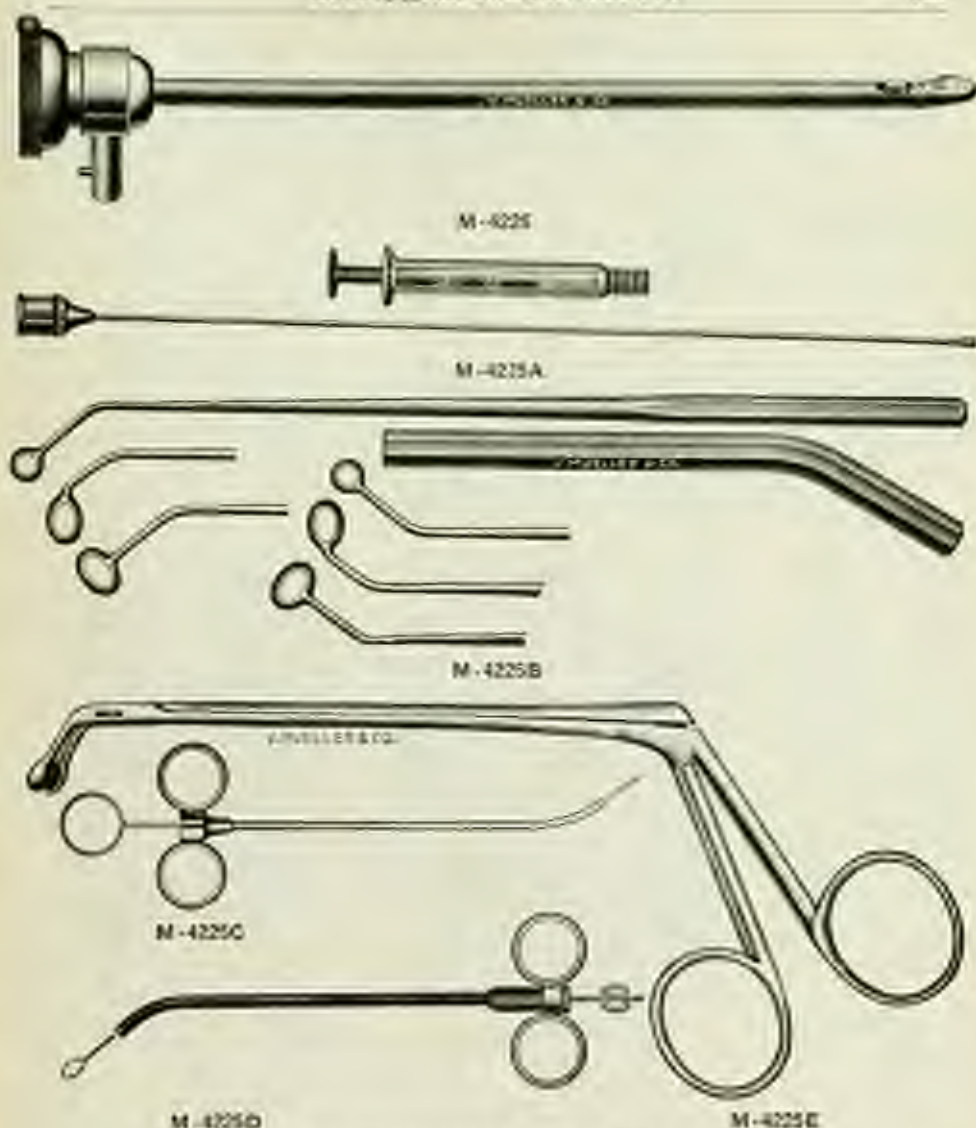
- M-4185 Pharyngo-Laryngoscope, Dick's, with one extra lamp and cord in case..... \$30.00
 M-4195 Pharyngo-laryngoscope, Hays', with cords, and two extra lamps in case..... 30.00

The pharyngo-laryngoscopes were designed to aid the general practitioner and the nose and throat specialist in the examination of the posterior nares, eustachian tubes and pharyngeal vault. With these instruments, the entire vault can be examined without causing the most sensitive patient any discomfort.

- M-4195 Direct naso-pharyngeal speculum, Valldner's, for the examination of the nose and pharynx..... 34.00
 M-4200 Salpingoscope, Hirschmann-Valldner's, complete with connection cord and extra lamp in case..... 35.00

This instrument is intended for the examination of the antrum highmori, ethmoid, nasal and pharyngeal cavities, and the larynx. The lamps used are Thiersch filament or cold lamps.

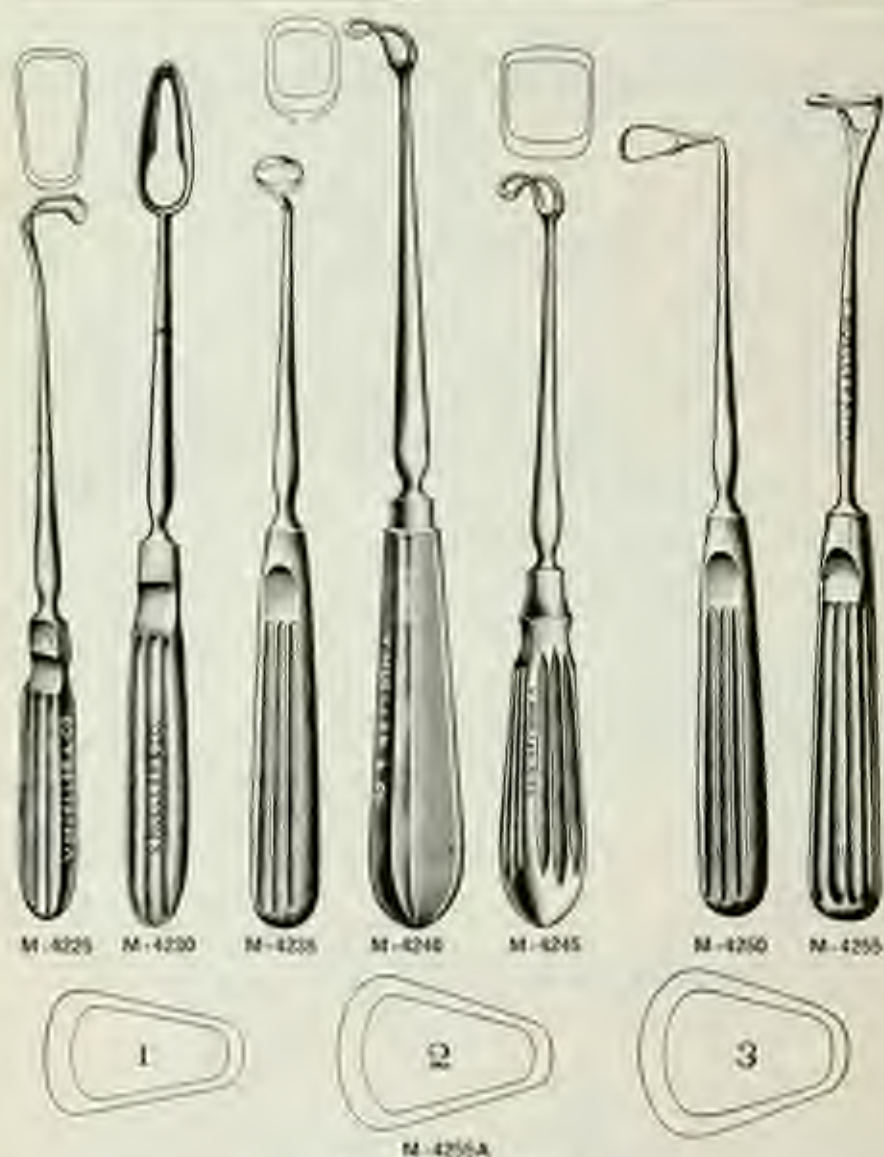
Do not mutilate catalogue.—Specify section letter and number in ordering.



NASO-PHARYNGOSCOPE AND ACCESSORIES

- M-4225 Naso-Pharyngoscope, "Hollman", with cord handle, 2 extra lamps, set.....\$38.00
- With this instrument it is possible to show the openings of the eustachian tube, the frame of Rosenmüller and to diagnose positively the exact condition surrounding the posterior nares and post-nasal passage. The operator is enabled to treat or operate on the affected parts as the pharyngoscope is introduced through one nostril and the operating instruments through the other. Send for descriptive circular and directions for use.
- M-4225B-C: Set of operating instruments, consisting of cocaine injection syringe, metal capsule and applicator, hard rubber capsule and applicator, six different shaped cavities and hands, set.....\$15.00
- M-4225D: Naso-Pharyngeal cutting forceps, "Hollman", set.....5.00
- M-4225E: Extra lamps, each set, \$1.00; old lamps removed, each set......50
- M-4225F: Eustachian probes and applicators, "Hollman", each set......25

Do not mutilate catalogue.—Specify section letter and number in ordering.

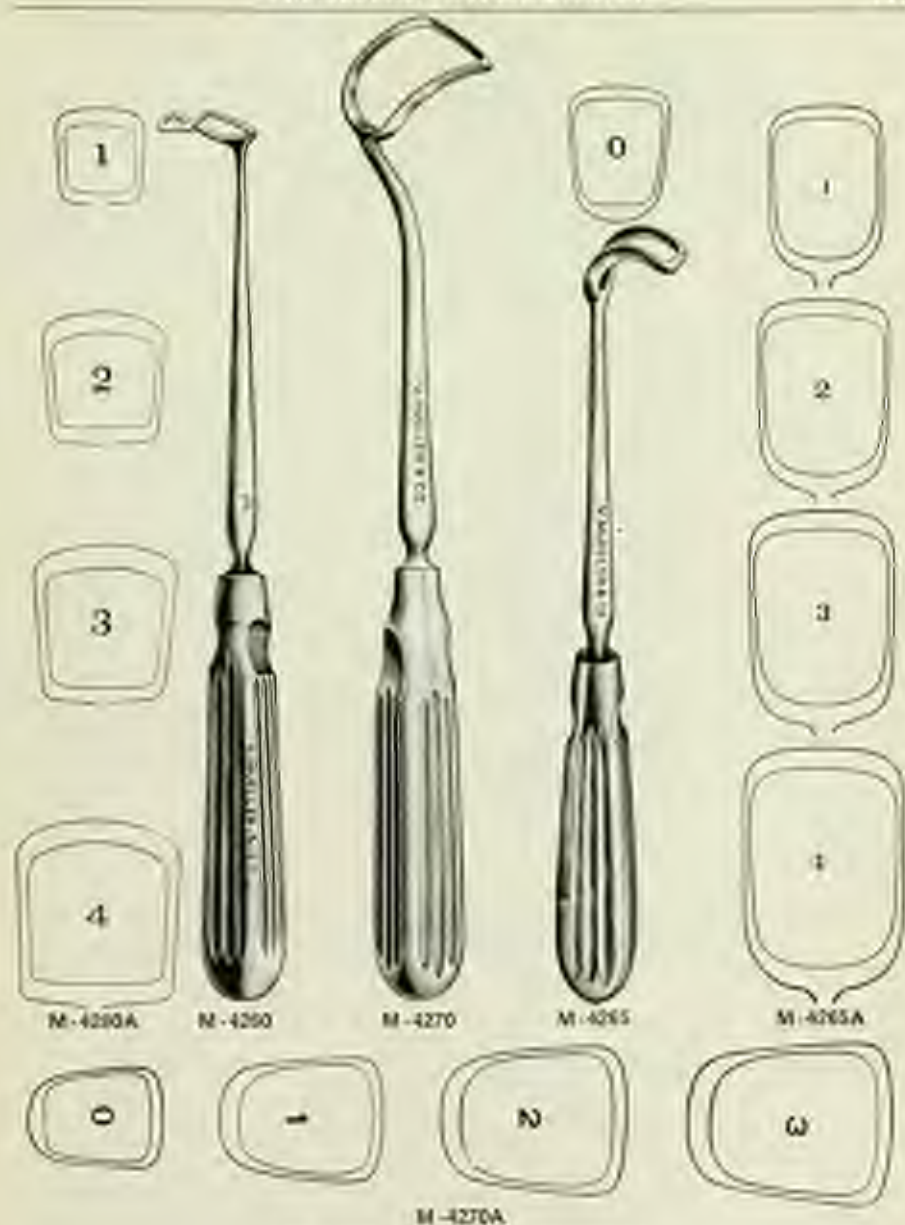


ADENOID CURETTES

- M-4225 Adenoid curette, Bonser's, for operating on babies from 1 month to 1 year of age.
- M-4230 Spoon shape, Moore's.
- M-4235 Ring knife, Meyer's.
- M-4240 Adenoid curette, for infants, Vogt's.
- M-4245 Adenoid curette, children's, Hagerdorn's.
- M-4250 Post nasal curette, Krasnik's, two sizes, each.
- M-4255 Adenoid curette, Gottstein's, three sizes, each.
- M-4255A Figures 1, 2 and 3 showing actual size of Gottstein's curettes.

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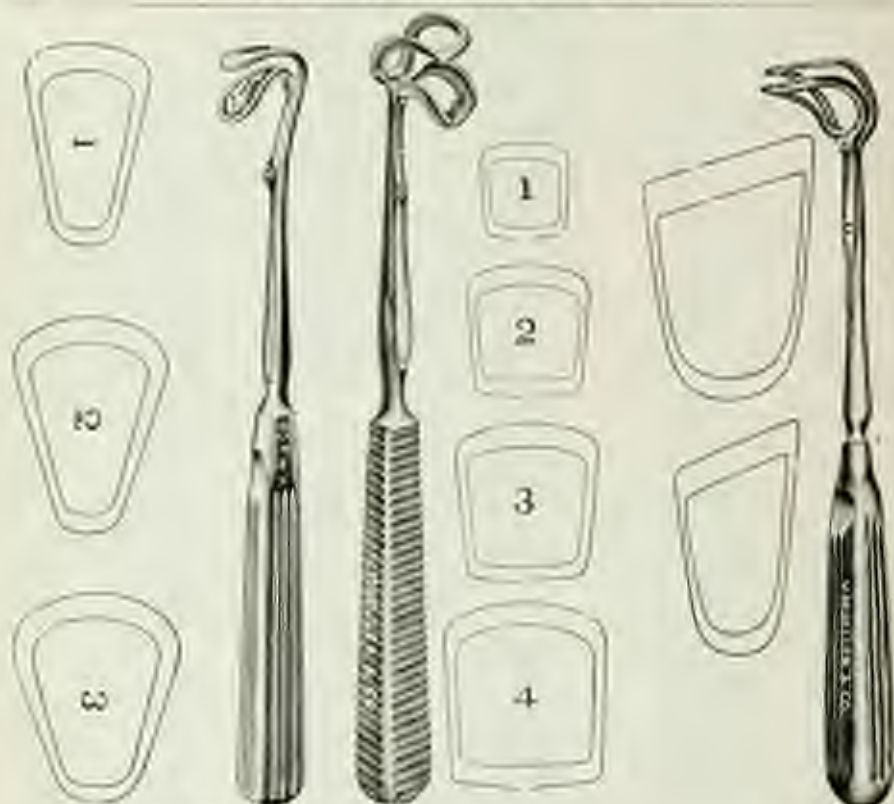
Do not mutilate catalogue.—Specify section letter and number in ordering.



ADESOID CURETTES—Continued

M-4260	Adesoid curette, Beckman's original model, made in four sizes, each	\$1.50
M-4260A	Figure 1, 2, 3 and 4, illustrating actual sizes of Beckman's curette	
M-4265	Adesoid curette, Barnhill's, made in five sizes, each	2.00
M-4265A	Figures 1, 2, 3 and 4, illustrating actual sizes of Barnhill's curette	
M-4270	Adesoid curette, Bristle's, made in four sizes, each	1.00
M-4270A	Figures 1, 2 and 3, illustrating actual sizes of Bristle's curette	

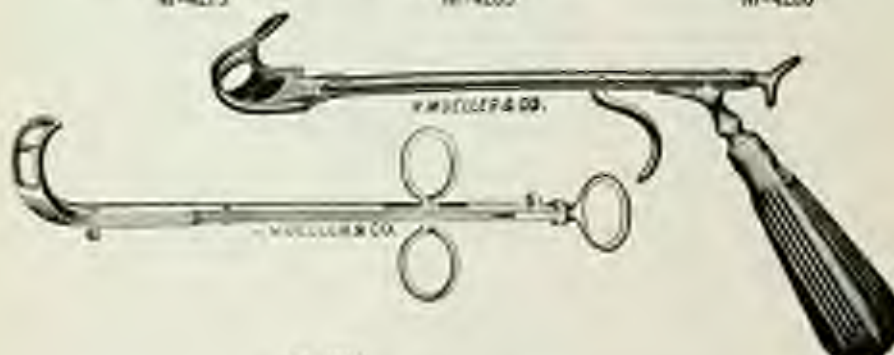
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M-4275

M-4285

M-4280



M-4290

M-4295

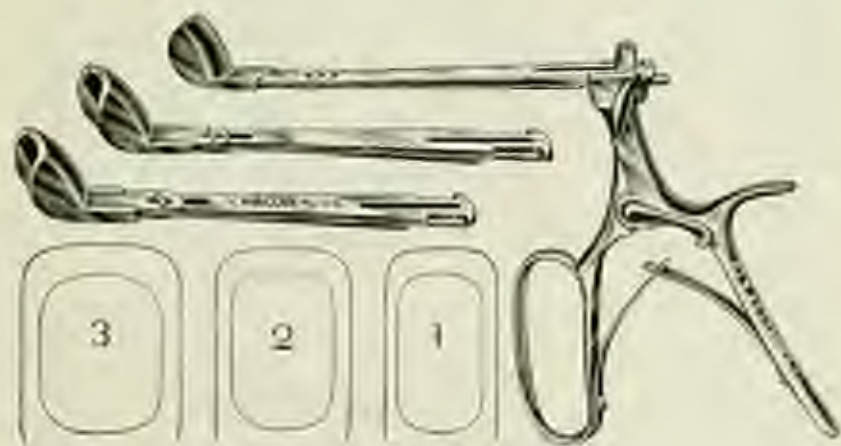
ADENOTOMES

- M-4275 Adenotome, DeBorja's, made in three sizes, each..... \$1.50
 Figure 1, 2 and 3, illustrating actual size.
 M-4280 Adenotome, Tuck's, made in two sizes, cutting right and left, each..... 4.50
 M-4285 Adenotome, St. Clair Thompson's, made in four sizes, each..... 5.50
 Figures 1, 2, 3 and 4 illustrating actual size.
 M-4290 Adenotome, Schaefer's, made in three sizes, with one extra blade, each..... 12.50
 M-4295 Adenotome, Graef's, with one extra blade..... 12.50

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M-4300



M-4305

LA FORCE ADENOTOMES

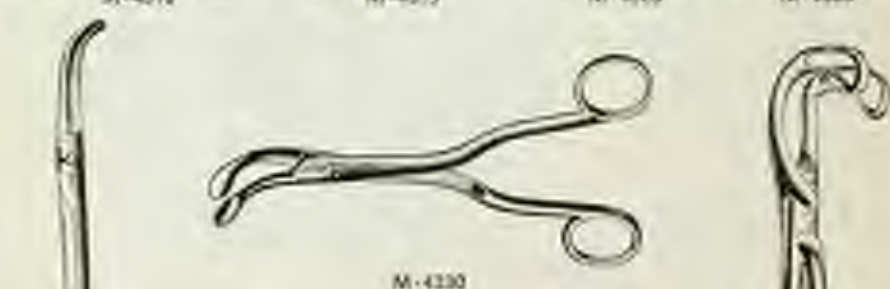
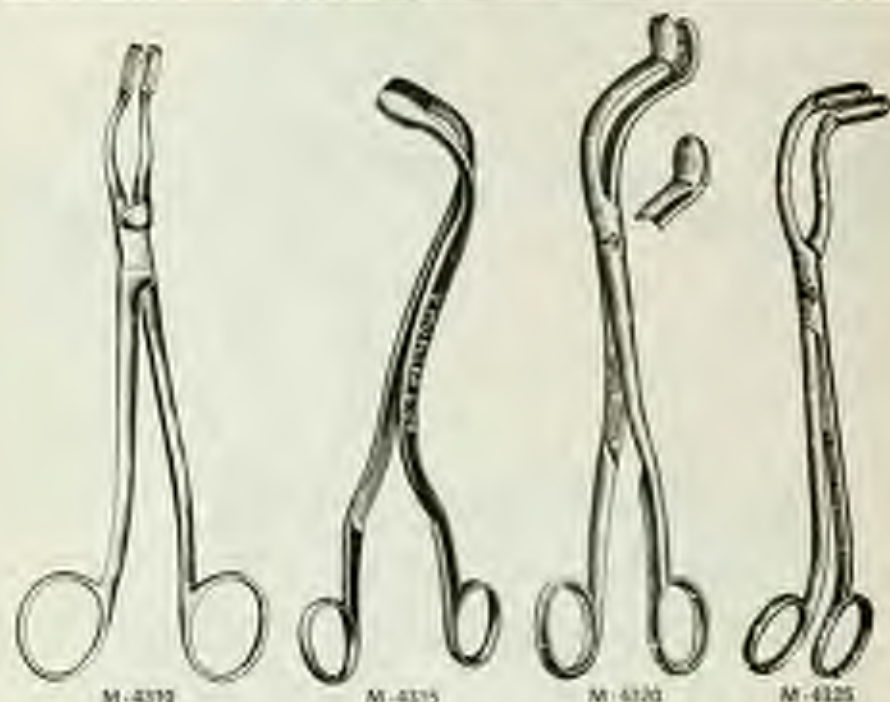
The illustrations on this page represent the La Force adenotomes. Figure M-4300 shows the instrument with individual handles, of which three sizes are made. Figure M-4305 represents the adenotome with the Universal handle and this also is kept in stock in three sizes. The instruments are interchangeable and the change can be quickly accomplished.

The operation for the removal of adenoids is made very simple and safe with this instrument, provided the proper size is used in each individual case. The danger of the excised tissue being lodged in the larynx, being swallowed or pushed into the nose is prevented, as the excised growth is retained within the box of the instrument.

The illustration represents the correct shape as now used by Dr. La Force and many of the foremost specialists. Figures 1, 2 and 3, show the actual sizes.

M-4300 La Force adenotome made in three sizes with one extra blade, each..... \$20.00

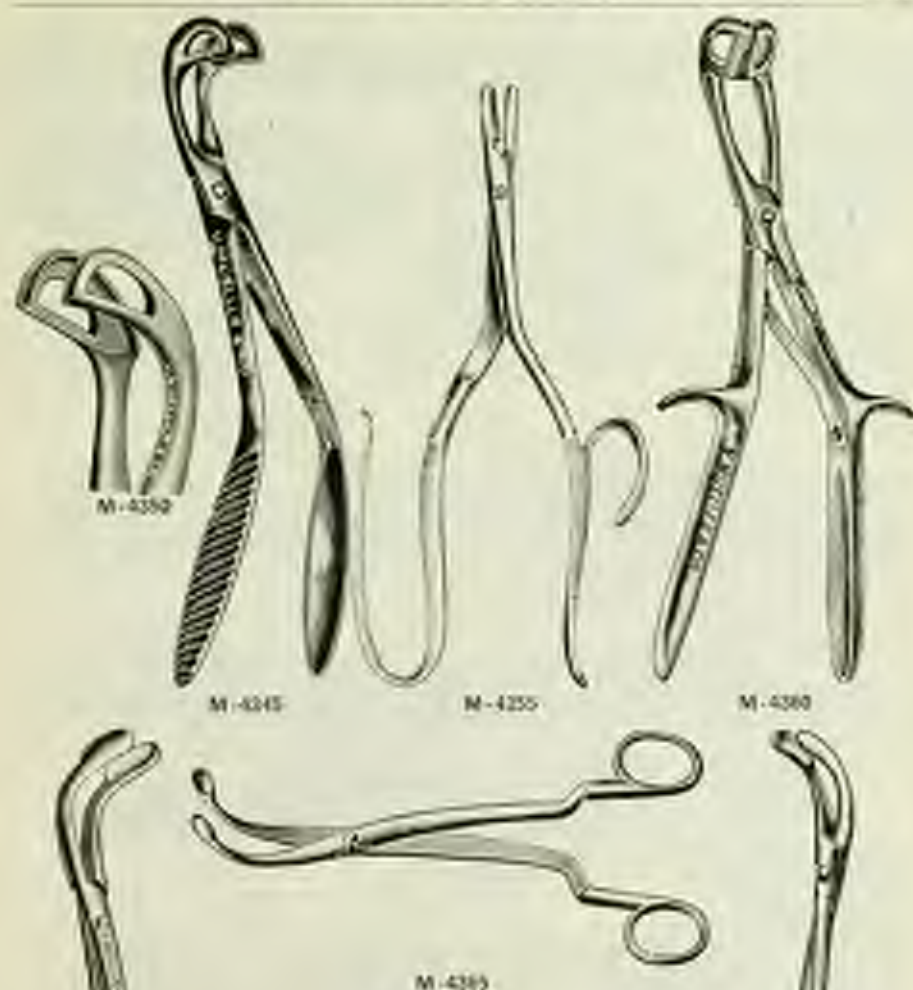
M-4305 La Force adenotome, with Universal handle and three interchangeable blades, of different sizes, with one extra blade for each, complete..... 25.00



ADENOID AND POST NASAL FORCEPS

M-4370	Adenoid forceps, St. Clair Thomas's, small size	\$1.25
M-4375	Adenoid forceps, Lowenberg's, latest improved model	1.75
M-4380	Adenoid forceps, Quinlan's	2.50
M-4325	Adenoid forceps, Jernac's, latest pattern, two slim, thin	2.00
M-4390	Adenoid forceps, Ferguson's, short and pivoted	1.00
M-4330	Adenoid forceps, Jernac's, original pattern, two slim	2.50
M-4340	Post nasal colonos, Holmes', for adenoid removal	3.00

See our available catalogue.—Specify section letter and number in ordering.



ADENOID AND POST NASAL FORCEPS —Continued

M-4366	Adenoid forceps, Brandegee's original model, two sizes, each.....	\$1.75
M-4367	Adenoid forceps, Brandegee's latest model, made on the punch and die principle, two sizes, each.....	\$1.75
M-4368	Adenoid forceps, Foster's, for use through the nose.....	\$1.00
M-4369	Adenoid forceps, McLaughlin's.....	\$1.00
M-4370	Adenoid forceps, Hooper's, small cutting blade.....	\$1.00
M-4371	Adenoid forceps, Fisher's.....	\$1.00
M-4372	Adenoid forceps, Miller's.....	\$1.00
M-4373	Adenoid forceps, Miller's.....	\$1.00
M-4374	Adenoid forceps, Miller's.....	\$1.00
M-4375	Adenoid forceps, Miller's.....	\$1.00

Do not mutilate catalogues.—Specify section letter and number in ordering.



M-4300



M-4305



M-4300

DIAGNOSTIC LAMPS AND TRANSLUMINATORS

M-4300 Diagnostic set and transluminating lamps, Hader's, complete in case, set..... \$9.00

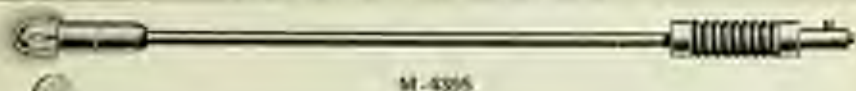
This set is so made that it can be used on the 70 volt direct or alternating current, without a current transformer.

Lamp A, for translumination of the frontal sinus. Lamp B, in connection with shield No. 1 for general inspection. Lamp C, with rubber shield No. 1, for translumination of the frontal sinus, and the smaller lamps in connection with their respective metal shields for general diagnostic work through vaginal and rectal speculums, etc.

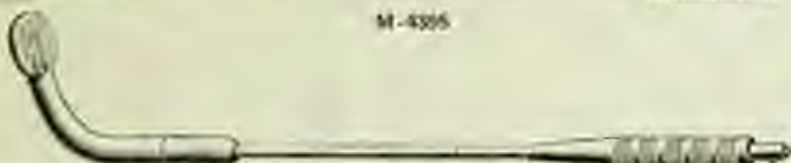
M-4305 Transilluminator, Froese-Jackson, for use on the 110 volt direct or alternating current..... \$4.50

M-4300 Transilluminator, Würdemann's, for transocular illumination as well as for frontal and maxillary sinuses..... \$9.00

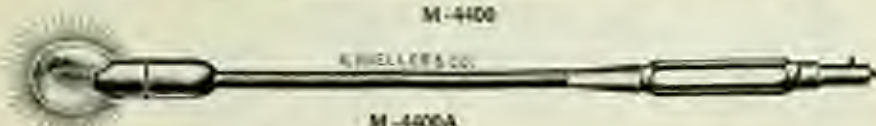
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M-4395



M-4400



M-4400A



M-4405

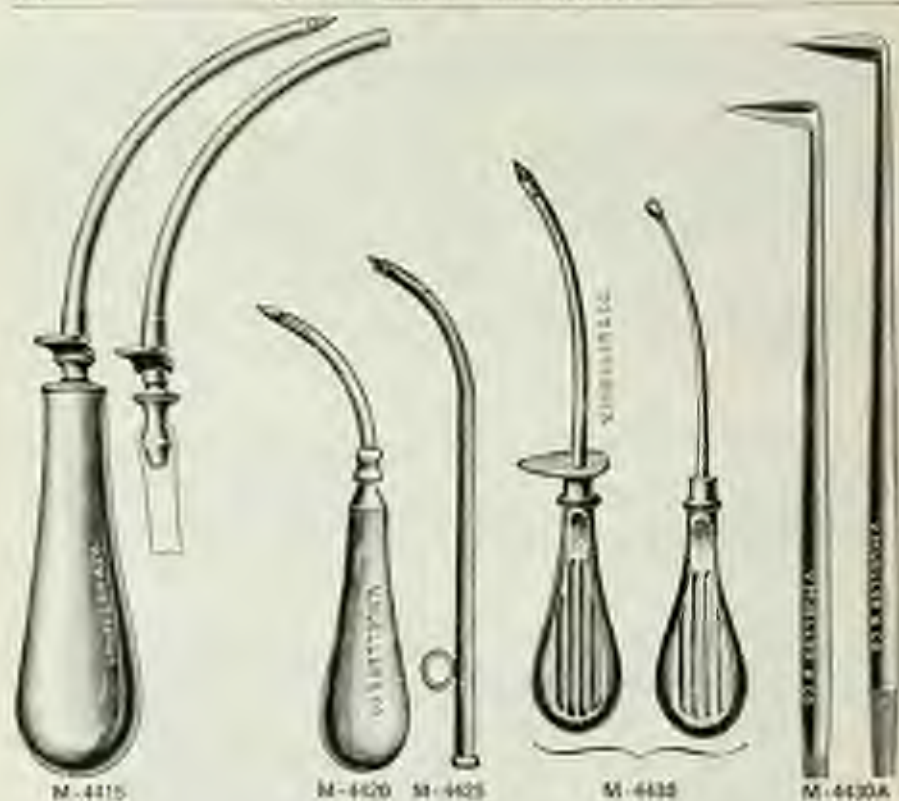


M-4410

TRANSILLUMINATORS AND TRANSILLUMINATING HOODS

M-4395	Illuminator for strum, with 15 volt lamp.....	\$1.50
M-4400	Illuminator, also, gynaecol., Jackson's 15 volt lamp.....	4.50
M-4400A	Illuminator for strum, with 8at lamp, 15 volt.....	3.50
We can also furnish a wet lamp for the above transilluminators for use with a battery.		
M-4405	Transilluminating mouth for larynx, maxillary and frontal cavities, Jackson's. The space between the two metal tubes is arranged for water circulation for the purpose of overcoming the heat, generated by the high candle power incandescent lamp. Complete, with rubber extra lamp and tubing for water connections, in case.	12.00
M-4410	Transilluminating hood for portable dark room, Deek's. The apparatus is made of wood fiber and photographic cloth and has proven very satisfactory in cases where a proper dark room is not available.....	8.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



ANASTOMOSIS FORCEPS AND PERFORATORS

M-4415	Anastomosis forceps, Jarrow's, with locking force	\$2.40
M-4420	Anastomosis trocars, Meyer's, improved	2.50
M-4425	Anastomosis trocars and washing tube combined, Kobermann's	3.50
M-4430	Anastomosis trocars with anastomosis and washing tube, two sizes, Jarrow's, each	3.50
M-4435A	Anastomosis knives, Jarrow's, right and left, 60 to 80 millimeter blades, each	1.50
M-4440	Anastomosis trocars, right and left, each	1.50
M-4440	Anastomosis perforator and anastomosis retractor, Abraham's, each	2.50

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-4445

M-4450

M-4455

M-4460

M-4465

M-4470

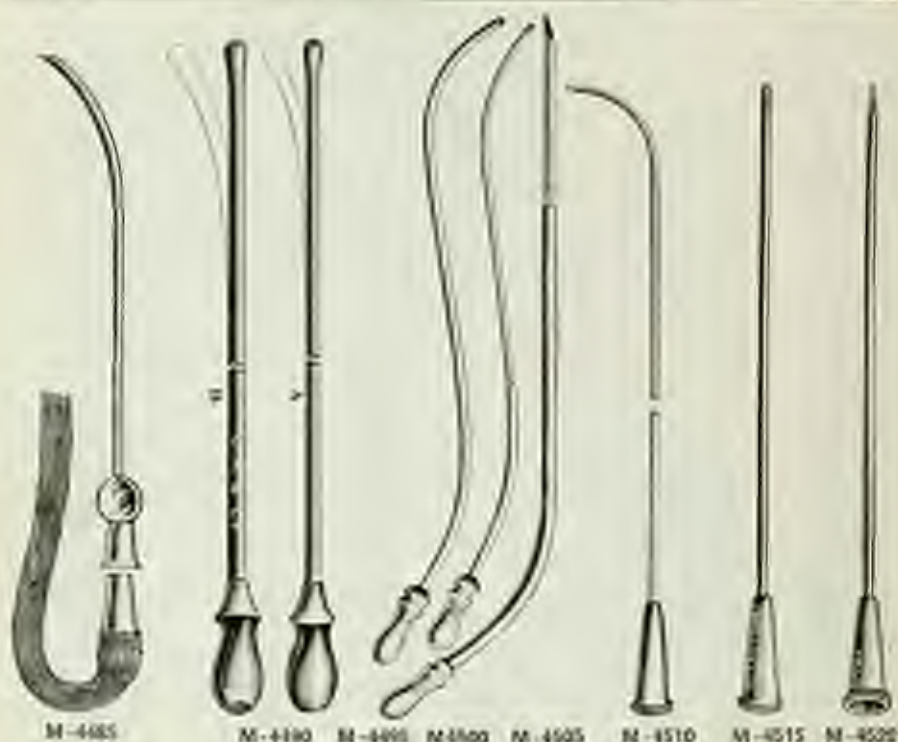
M-4475

M-4480

ASTRUM TROCARs, SYRINGES AND BURS

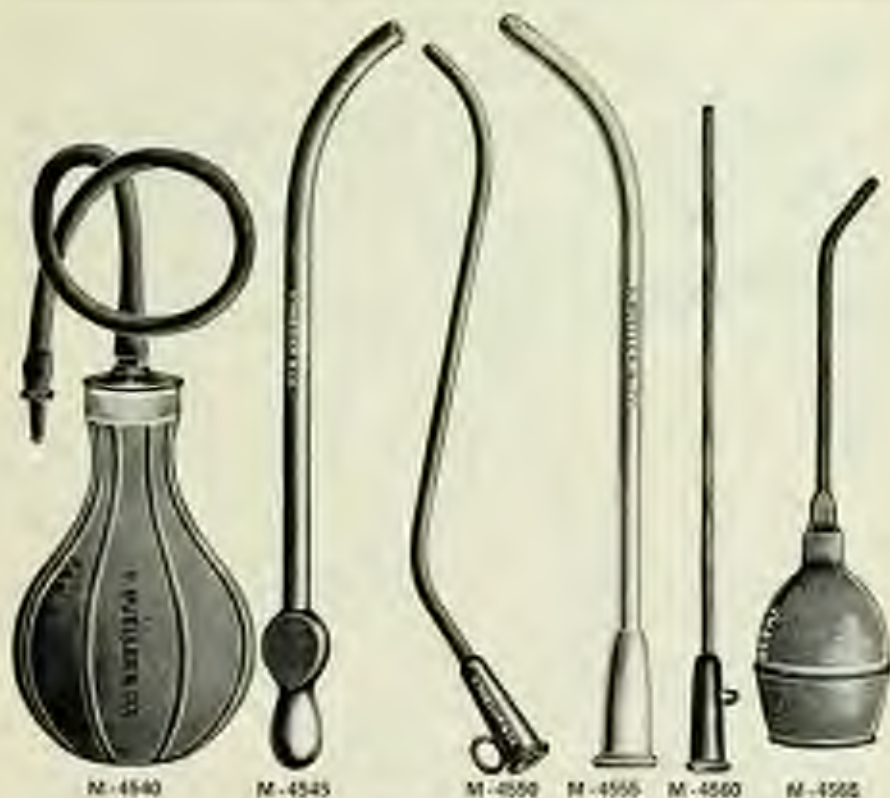
M-4445	Astrum perforator, Williams's
M-4446	Astrum aspirator, right and left, halves, each
M-4447	Astrum aspirator, Yale's, not illustrated
M-4448	Astrum trocar and sounding tube combined (Douglas'), two sizes, each
M-4449	Astrum rasp, Galt's, straight
M-4450	Astrum rasp, Galt's, curved, cut on the convex side
M-4451	Astrum rasp, Galt's, curved, cut on the convex side
M-4452	Astrum drill, Bostich's
M-4453	Astrum bur, Galt's, made in 2 sizes, each
M-4454	Astrum bur, Galt's, made in 3 sizes, each
M-4455	Astrum bur, Galt's, made in 3 sizes, each
M-4456	Astrum bur, Galt's, made in 3 sizes, each
M-4457	Astrum bur, Galt's, made in 3 sizes, each
M-4458	Astrum bur, Galt's, made in 3 sizes, each

Do not mutilate catalogue.—Specify section letter and number in ordering.



ANTRUM TROCARS AND WASHING TUBES

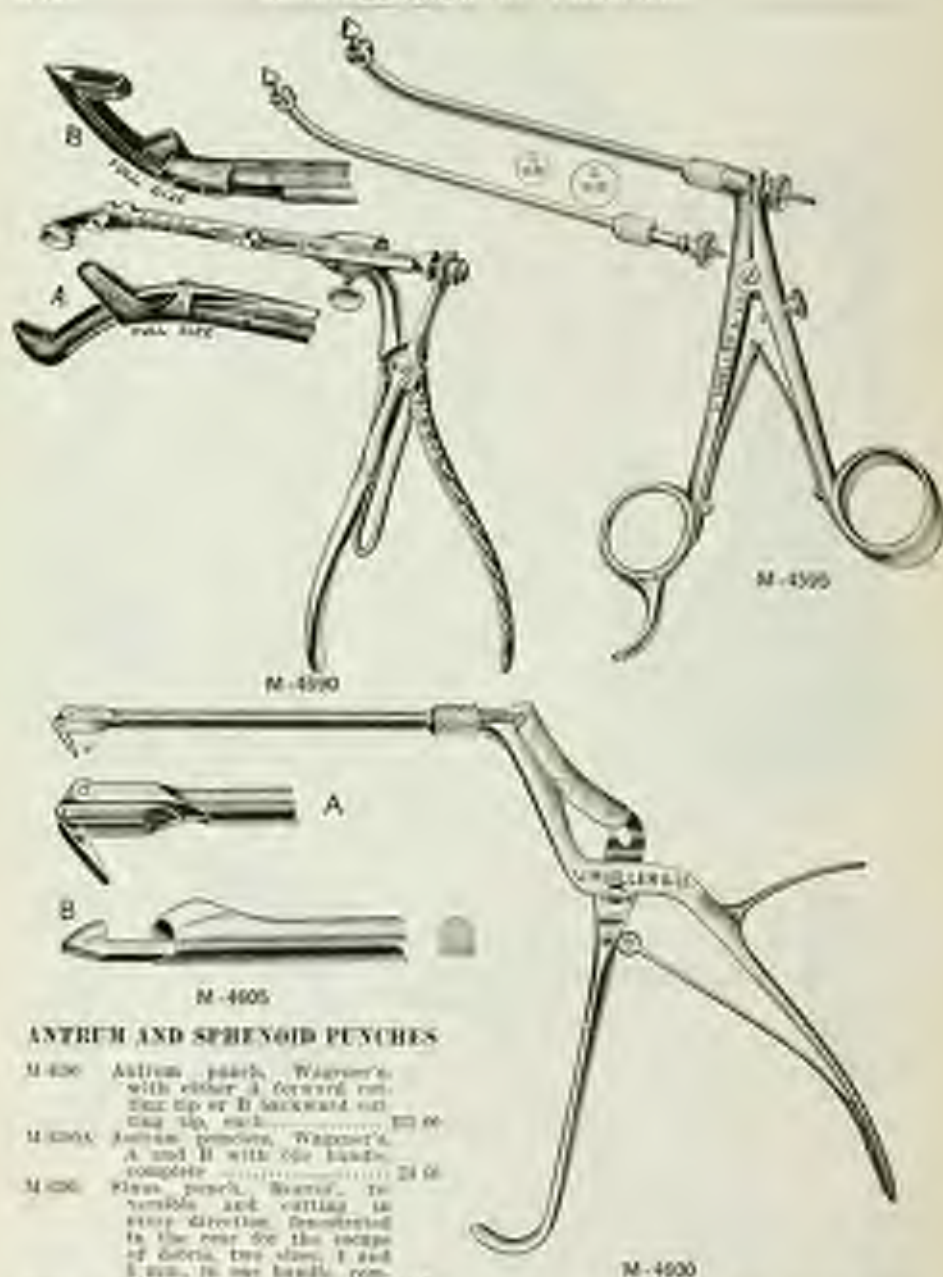
M-4485	Antrum trocar and washing tube, Richards' #1	50
M-4490	Antrum and frontal sinus washing tubes, three sizes, made of pure silver, each	1.00
	Made of brass, nickel plated, each	.50
M-4495	Antrum and frontal sinus washing tube, Killian's	1.00
M-4500	Antrum and frontal sinus washing tube, Killian's, very thin, preferred	1.50
M-4505	Antrum trocar needle and washing tube, Killian's	.50
M-4510	Antrum washing tube, Simpson's, made of silver	.50
M-4515	Schneid's washing tube, Andrew's, nickel plated	.50
M-4520	Antrum trocar needle, Simpson's	.75
M-4525	Antrum trocar needles, Killian's, right and left, each	1.25
M-4530	Antrum washing tube, Fisher's with handle	1.00
M-4535	Catheter, Fisher's, for the posterior nares	1.50



SYRINGES AND WASHING TUBES

M-4540	Duck syringe and connection for antrum washing tube.....	21 25
M-4545	Antrum washing tube, Marquis', three sizes, each.....	90
M-4550	Antrum washing tube, Perry's, perforated on side and front.....	1 20
M-4555	Antrum washing tube, Abraham's, perforated on side, silver.....	1 50
M-4560	Washing tube, hard rubber, Prosser's.....	50
M-4565	Kyrle's for antrum and frontal sinus, ivory.....	25
M-4575	Antrum washing tube, Abraham's, conical, made of hard rubber, not illustrated.....	75
M-4585	Antrum drainage tube, Myler's soft rubber, three sizes, each.....	20
M-4590	Antrum drainage tubes, Insula's soft rubber, three sizes, each.....	20
M-4595	Syringe syringe, Pierce's, for use with washing tubes, condenser spray.....	1 50

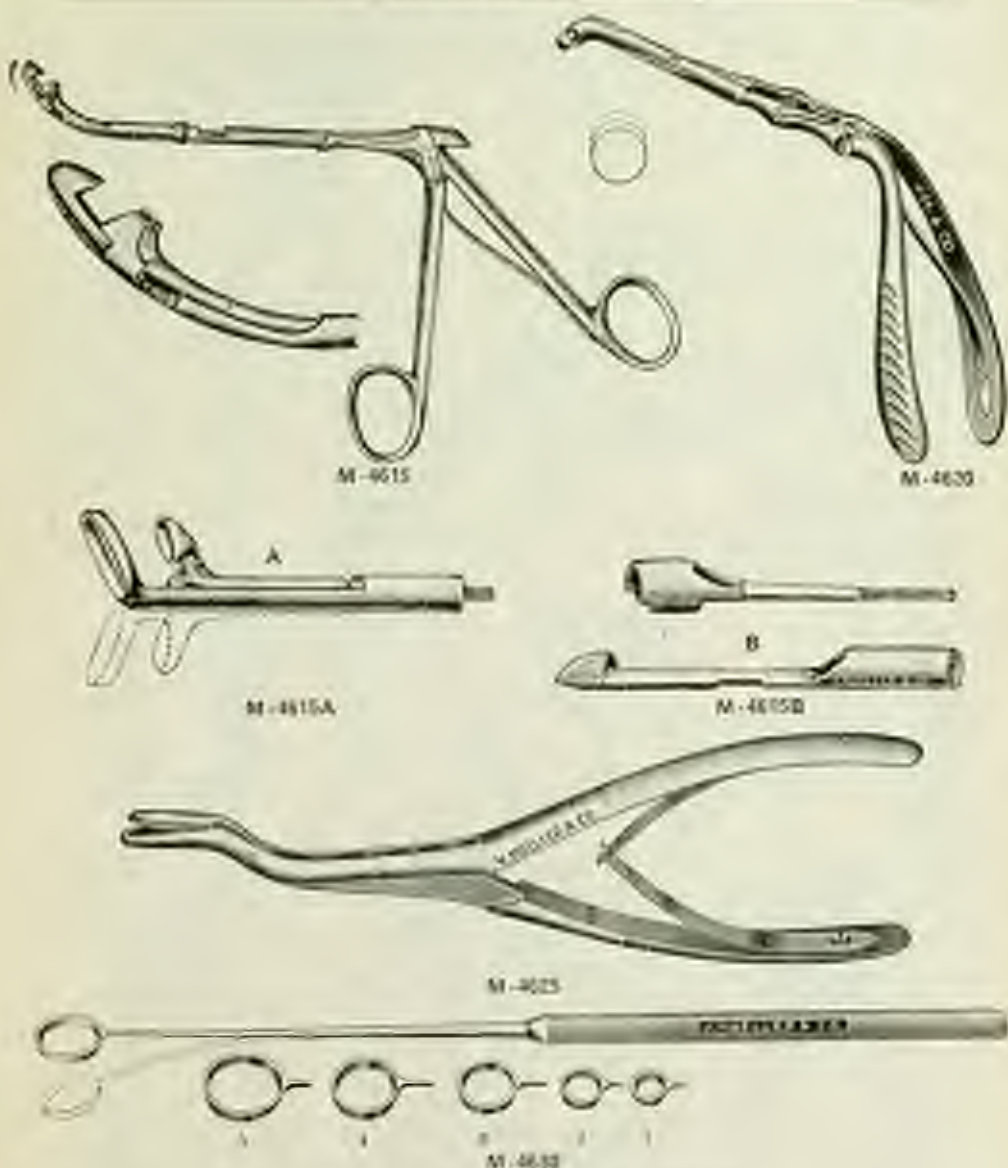
Do not mutilate catalogue.—Specify section letter and number in ordering.



ANTRUM AND SPHENOID PUNCHES

- M-4590 Antrum punch, Wagner's, with either A forward cutting tip or B backward cutting tip, each..... \$2.00
- M-4595 Antrum punch, Wagner's, A and B with side handle, complete..... \$2.00
- M-4596 Antrum punch, Wagner's, reversible and cutting in every direction. Designed to the rear for the escape of debris, two sizes, 1 and 2 mm., in one handle, complete..... \$2.50
- M-4597 Antrum punch, Wagner's, reversible, cutting backward, same model, complete..... \$2.50
- M-4598 Antrum punch, Wagner's, with same handle as figure M-4590..... \$2.00
- M-4599 Antrum punch, Wagner's, with same handle as figure M-4590..... \$2.00
- M-4600 Antrum punch, Wagner's, can be used either side (not illustrated)..... \$2.00

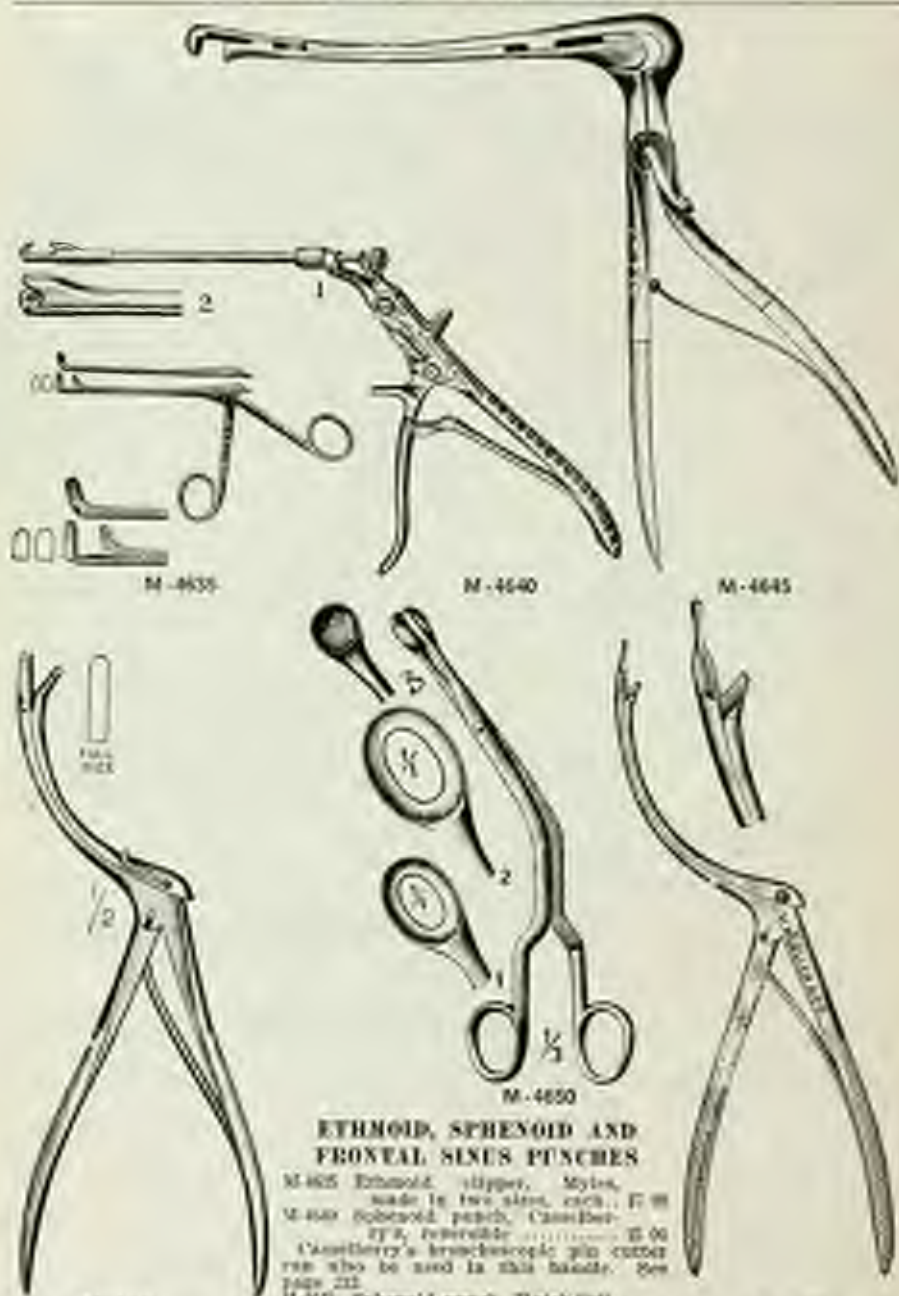
Do not mutilate catalogue.—Specify section letter and number in ordering.



ANTRUM PUNCHES AND CURETTES

M-4615	Antrum punch, Spies', for silver side	312 1/2
M-4615A	Antrum punch, Spies', with attached Attachment A and Spies' Attachment B, to fit one handle, complete	22 1/2
M-4625	Antrum punch, Fletcher's, for silver side	15 1/2
M-4630	Antrum punch, Spies', for silver side	18 1/2
M-4630	Antrum curette, Spies', with flexible handle, for silver side	2 1/2

Do not mutilate catalogue.—Specify section letter and number in ordering.

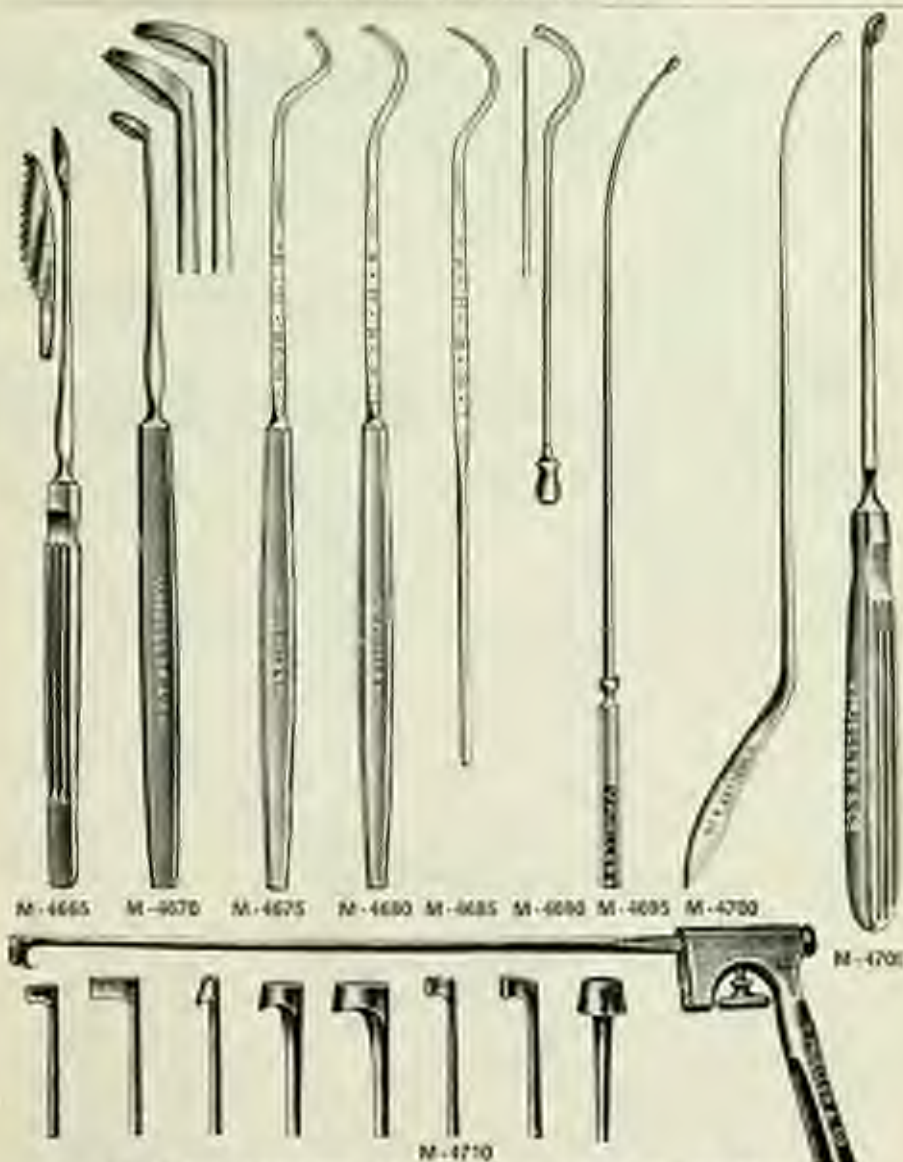


ETHMOID, SPHENOID AND FRONTAL SINUS PUNCHES

M-4635 Ethmoid clipper, Myles,
made in two sizes, each, \$7.00
M-4640 Sphenoid punch, Cassinelli-
type, reversible, \$5.00
Cassinelli's bronchoscopic pin cutter
can also be used in this handle. See
page 212.
M-4655 Ethmoid punch, Hajek style,
\$12.00

M-4655 Ethmoid forceps, Litz's, two sizes with serrated blades and ear clip shape,
each, \$12.00
M-4660 Ethmoid forceps, Litz's, \$12.00
M-4660 Frontal sinus forceps, Litz's, probe pointed, \$12.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



SPHENOID, ETHMOID, AND FRONTAL SINUS INSTRUMENTS

M-4665	Sphenoid rasp, Wood's	\$2.00
M-4670	Frontal sinus curette, Worthington's, two patterns, each	0.50
M-4675	Ethmoid knife, Andrew's, lower curved	0.00
M-4680	Ethmoid knife, Andrew's, full curved	0.00
M-4685	Sphenoid probe, Andrew's	0.50
M-4690	Sphenoid washing tube, Andrew's, silver	1.00
M-4695	Frontal sinus probe, Thompson's, made of silver	0.50
M-4700	Frontal sinus probe, with copper, 30.50; silver	0.50
M-4710	Ethmoid curette, Halstead's	0.50
M-4710	Ethmoid chisel, Nylin's, set of 30, with one handle	24.00

Do not mutilate catalogue.—Specify section letter and number in ordering.

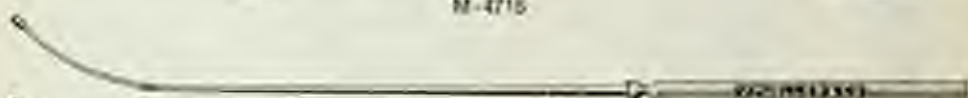


FIG. 1

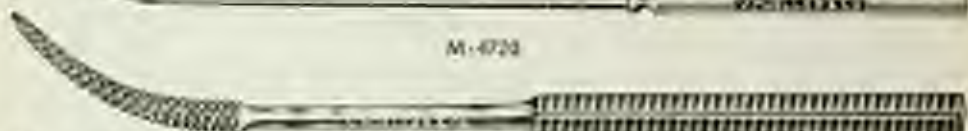


FIG. 2

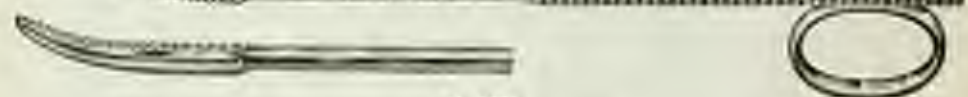
M-4715



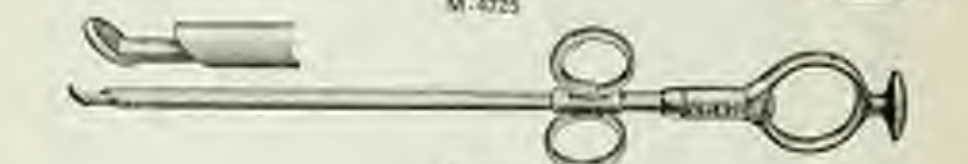
M-4720



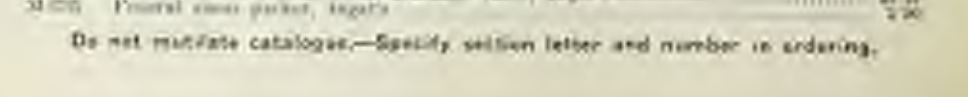
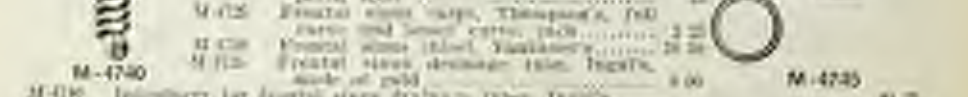
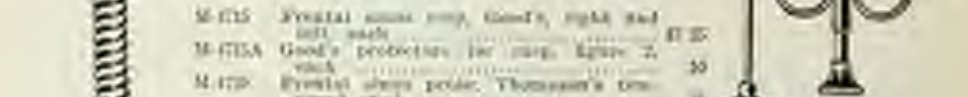
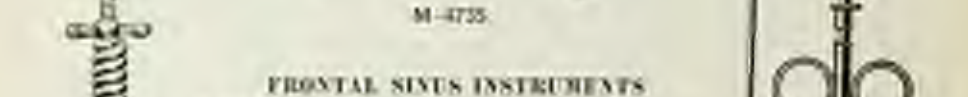
M-4725



M-4730



M-4735



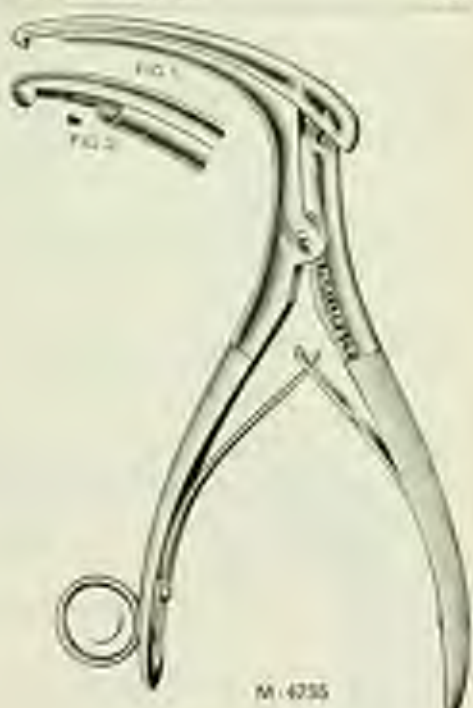
FRONTAL SINUS INSTRUMENTS

M-4715	Frontal sinus exp., Good's, right and left each	\$1.25
M-4715A	Good's protector, for exp., figure 2, each	.50
M-4720	Frontal sinus probe, Thompson's, tipped steel	.25
M-4725	Frontal sinus exp., Thompson's, (left, right and lower curve, each)	2.00
M-4730	Frontal sinus (steel, Yankauer's)	2.00
M-4735	Frontal sinus drainage (steel, right), made of gold	3.00
M-4740	Ischometer for frontal sinus drainage (steel, right)	2.00
M-4745	Frontal sinus probe, right	2.00

Do not mutilate catalogues.—Specify section letter and number in ordering.



M-4750



M-4755



M-4765 M-4770



M-4760

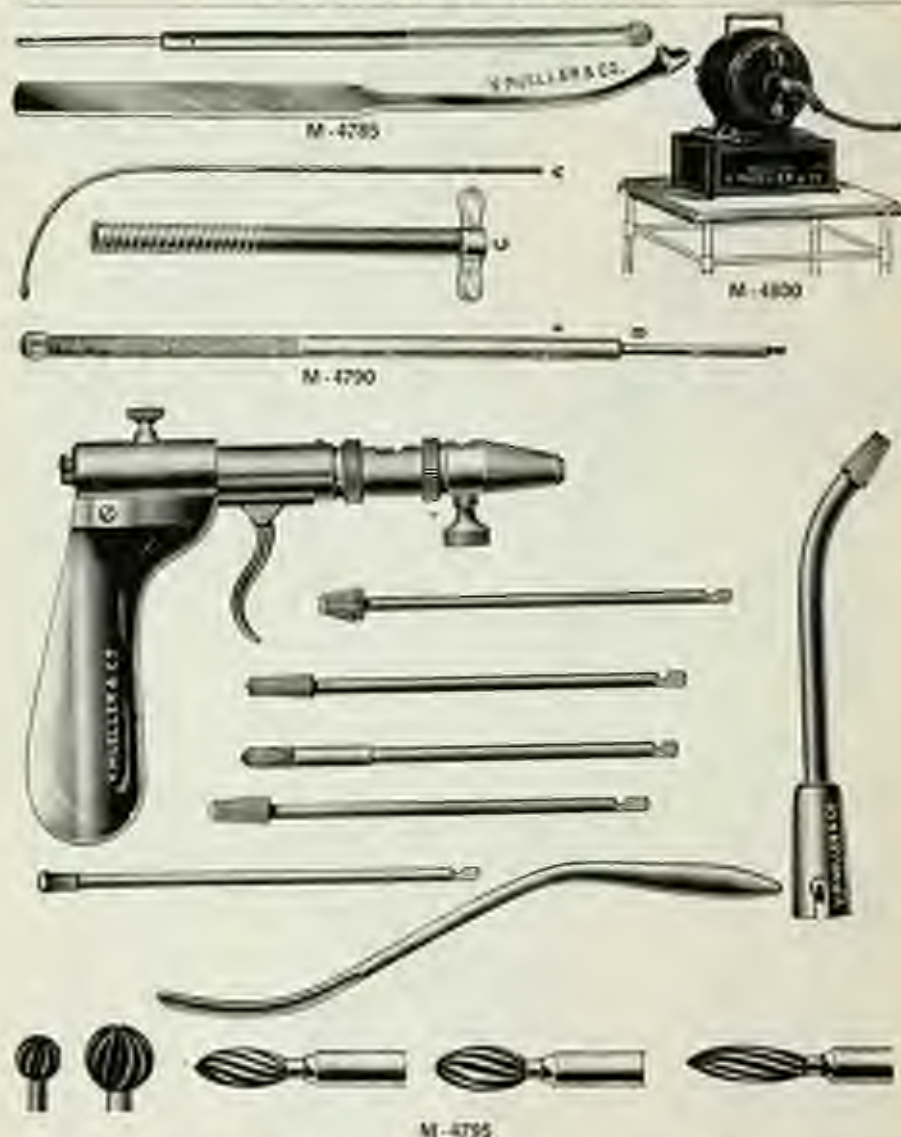


M-4775 M-4780

FRONTAL SINUS INSTRUMENTS—Continued

M-4750	Hamper forceps, Lushardt's	\$5.50
M-4755	Frontal sinus forceps, for enlarging opening laterally, Pitkin's	25.00
M-4760	Frontal sinus punch, Flanders	12.00
M-4765	Frontal sinus chisel, Killian's, straight	1.50
M-4770	Frontal sinus chisel, Killian's	1.50
M-4775	Frontal sinus chisel, V shaped, Killian's, two sizes, each	1.50
M-4780	Frontal sinus chisel, Killian's, Y shaped, curved	1.50

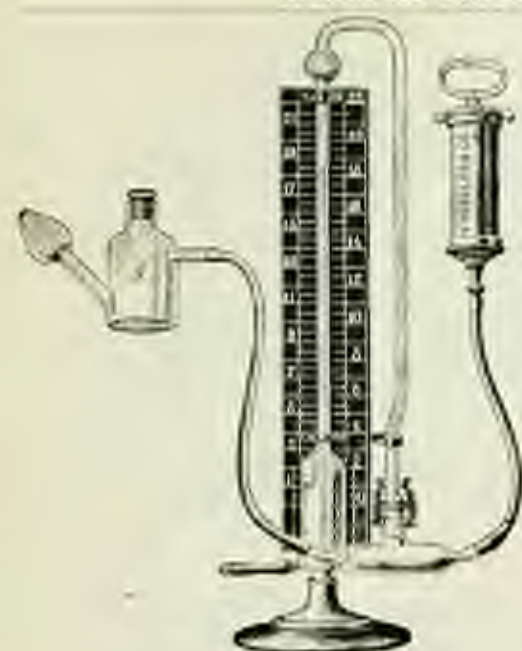
Do not mutilate catalogue.—Specify section letter and number in ordering.



FRONTAL SINUS, ANTRUM, MASTOID BURS, ETC.

- M-4785 Frontal sinus pilot bar and guide for same, Engel's.....\$10.00
 M-4790 Frontal sinus pilot bar, with guide A, bar B, and protector C.....15.00
 M-4800 Bone surgery outfit. Includes, consisting of hand piece, surgical table, curved trephine for antrum. Two various shaped bars for antrum and frontal sinus, three pointers for bone, seven drills from 1 to 5 millimeter diameter, seven bars of various shape from 4 to 12 millimeter diameter, complete.....30.00
 M-4795 Electric motor for use with Muller's bone surgery outfit, according to current used, from \$40.00 to.....25.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-4810



M-4815



M-4820



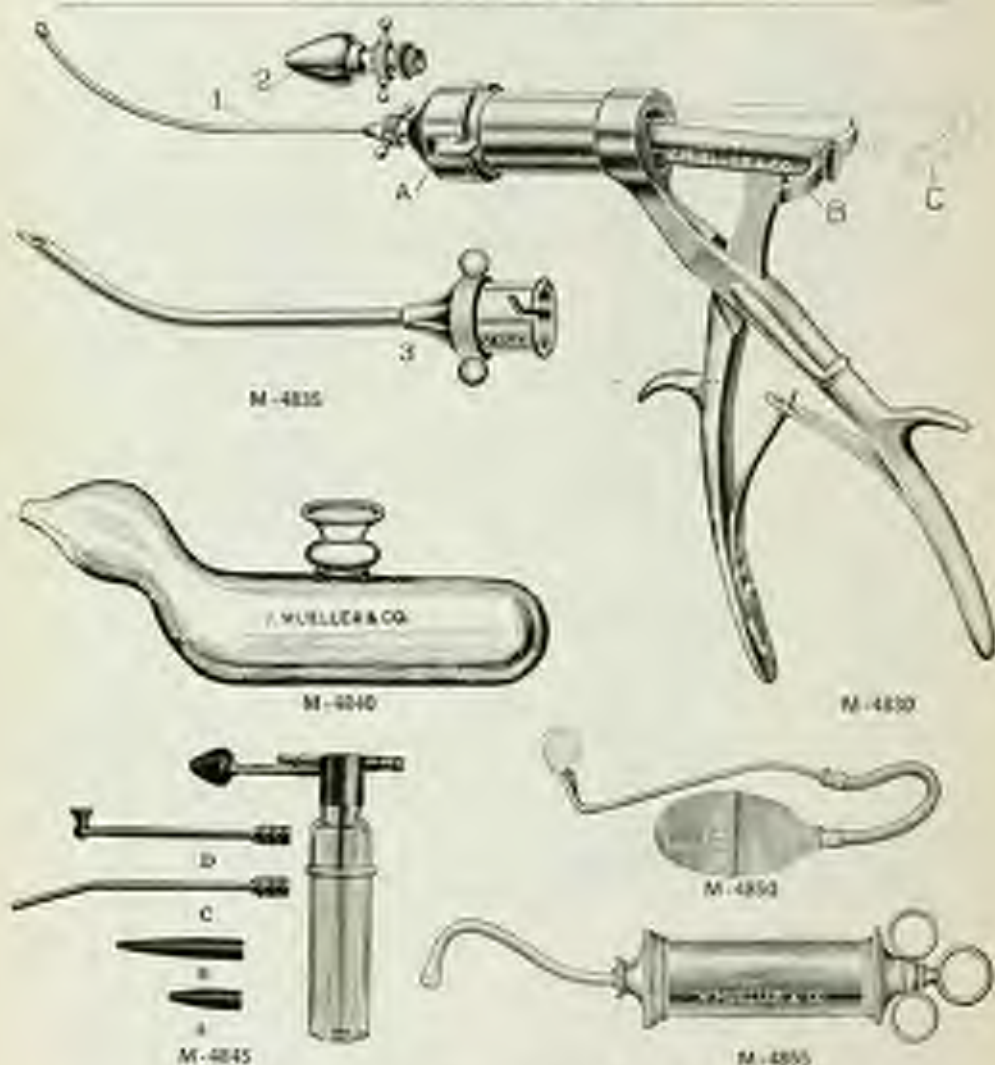
M-4825

ACCESSORY SINUS AND BLOOD ASPIRATORS

- M-4826 Suction apparatus, Moon's, for treatment of the accessory nasal cavities by means of negative pressure. This is a scientifically constructed apparatus, complete including accessory and pump. \$12.00
- M-4827 Suction apparatus, Beck's, for treatment of the accessory nasal cavities and the tonsils. 2.00
- M-4828 Suction apparatus, Hensley's, for treating the nasal accessory sinuses of secretion and assisting in differential diagnosis by the suction method. 4.00
- M-4829 Vacuum or suction bottle, Haak's, for the removal of secretions in suppurative cases for the removal of blood in lacerated and lacerated operations, etc. Complete, with tubing and three silver tubes of different caliber. 8.00

This vacuum bottle can be used in connection with the Grove transformer equipped with air pump or other pumps of that type.

Do not mutilate catalogue.—Specify section letter and number in ordering.



STRINGS, DOUCHES, ETC.

M-4835	Syringe for injecting bladder probe in the various bladders, anterior, (1) and posterior, Beck's, with curved double silver tip, No. 1, and hollow for and wood tip No. 2, entirely of metal	25 00
M-4835	Trocar and injection tube, figure 2, for the prostate, fitting on Beck's bladder probe syringe	1 25
M-4840	Nostril douche, Birmingham's	15
M-4845	Swiss apparatus for nasal spray, Dubois-Pyckard's, for use with compressed air	1 50
M-4850	Post-nasal douche syringe, Holmes'	1 25
M-4852	Post-nasal syringe, entirely of metal, two-piece	2 25
M-4855	Post-nasal syringe, hard rubber, two illustrations	1 25

Do not mutilate catalogue—Specify section letter and number in ordering.



HEAD BANDS AND MIRRORS

M-4860	Spring head band, metal	\$1.00
M-4862	Head band of steel, very strong and non-inflammable	1.25
M-4862A	Head band same as 4862, but made of white or black enamel-coated metal, each	1.25
M-4865	Spring head band, made of metal, folding	2.00
M-4875	Head band, Y. Mueller & Co., nickel-plated or enameled, each	.90
M-4871A	Reflector with mouth piece, Model Jansen-Plexon, with 2 or 2½ inch aluminum looked mirror	5.75

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M-4889



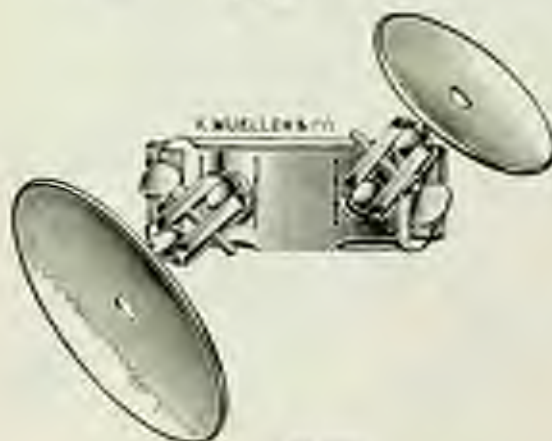
M-4885



M-4890



M-4890A



M-4895



M-4900

HEAD BANDS AND MIRRORS—Continued

M-4889	Head band, Gossion's, with leather strap	\$1.00
M-4885	Head band, Gossion's .....	.75
M-4890	Head band, Pythian's, made of hard rubber and metal, with strong strap	7.25
M-4890A	Spring clamp, attachable to any head mirror, adjustable as to length, for holding lenses, without lens set	1.25
M-4895	Head band with two reflectors, Fisher's. On the back of the reflectors are spring clamps like figure 4890A for holding lenses. Large reflector, 20 c. m. for nose and throat, small reflector, 7 c. m. for ear work. All metal parts are made of magnesium, a metal considerably lighter than aluminum, complete	\$2.00
M-4900	Head band, Fisher's, without mirror .....	.90

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-4925



M-4930



M-4935



M-4920



M-4905

M-4905A



M-4935A

HEAD MIRRORS AND PROTECTORS



M-4910

M-4905 Head mirror, Frankel's, with aluminum back, large tube, extra fine quality: 3-inch set \$2.25; 4-inch, \$2.50; 5-inch, \$2.75, including protector.
 M-4905A Head mirror, Frankel's, adjustable, made of polished steel, with double jointed clamp \$2.00
 M-4909 Head mirror, regular, with opening 12 mm.; 3½-inch set \$1.25; 4-inch, \$1.35; 5½-inch, \$1.40; 6-inch \$1.50
 M-4915 Head mirror, regular, with opening 7 mm.; sizes and prices same as figure 4909.



M-4915

M-4911	Head mirror, regular, with opening 7 mm.; sizes and prices same as figure 4909.	
M-4920	Demonstration mirror, Nottebohm, illustration around rim, attachable to any head mirror	\$1.75
M-4925	Protector for head mirror, 3, 3½ and 4-inch, each	.50
M-4929	Spring scope, Amburg's, by means of which the operator can focus the mirror in any position without touching same	.75
M-4935	Protective shield, made of glass, Lexile, to prevent contagion, on adjustable foot stand	7.50
M-4935A	With clamp to screw on examining or operating table	5.50

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-4943



M-4955



M-4945



M-4950



M-4959

ELECTRIC HEAD LIGHTS

- M-4944 Electric head light, Kline-Alexander's latest model, with rubber covered adjustable light carrying arm, screw socket instead of slip socket for lamp, folding metal band, extra lamp and cable. The light can be easily focused and the apparatus does not get hot, complete..... \$12.50
- M-4945 Electric head light, Kline-Alexander's, same as 4944, but with cloth band instead of folding metal band..... 15.00
- M-4946 Electric head light, Freeman's, with fold-back spring head band..... 14.00
- M-4947 Electric head light, DeKang's, produces a white light without shadows..... 15.00
- M-4948 Electric head light, Kline-Alexander's latest model, (improved), hard rubber circular head band or cloth band, with extra lamp and cable..... 15.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-4965



M-4970



M-4975



M-4980

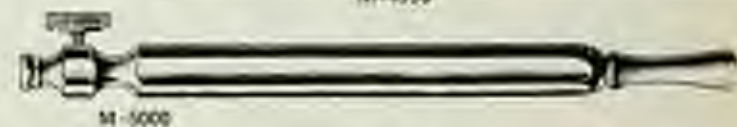
ELECTRIC HEAD LIGHTS—Continued

- | | | |
|---------|--|---------|
| M-4965 | Electric head light, Stocker's, adjustable for connection to the 110 volt direct or alternating current..... | \$5.00 |
| M-4965A | Electric head light, Stocker's original, novel adjustable..... | 5.00 |
| M-4975 | Electric head light, V. Mueller & Co.'s substantially constructed; has a powerful incandescent lamp, the light of which is concentrated through a condensing lens in order to give an intense white light at the proper operating distance, complete, with extra lamp and cable..... | \$12.50 |



M-4985

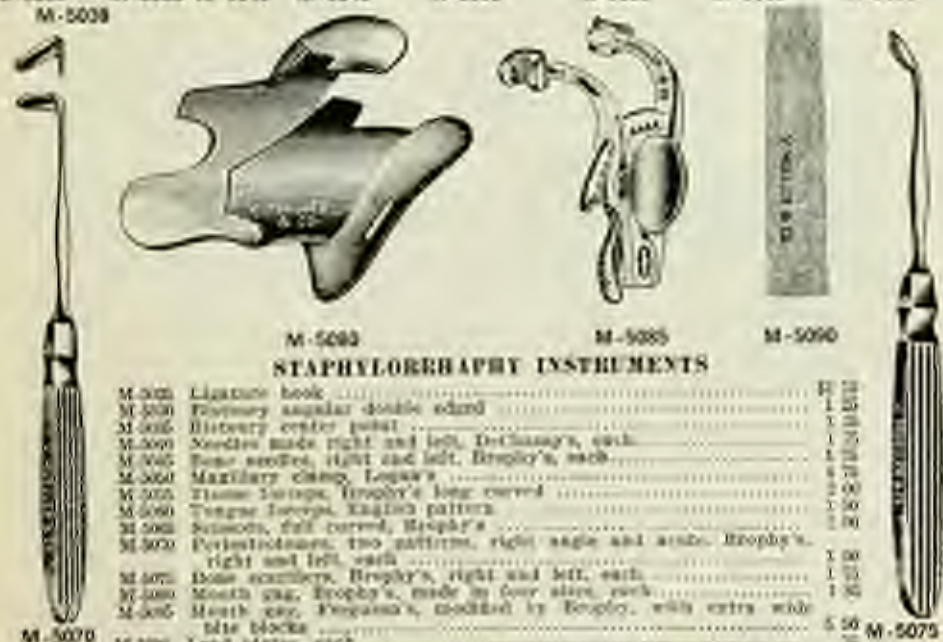
- | | | |
|--------|--|------|
| M-4985 | Electric head light, with pocket battery and Tungsputh lamps, 250 of battery 25 by 25 by 1, complete with connecting cord and battery..... | 8.00 |
| M-4985 | Extra batteries, 50 for extra Tungsputh lamp, \$6.00. | |
| M-4985 | Electric illuminating pocket set, with four var and glass apertures and tongue depressor, also of battery 2 by 2 by 1 inches, with Tungsputh lamp, complete..... | 3.00 |
| M-4985 | Extra batteries, 50 for extra Tungsputh lamp, \$6.00. | |
| M-4985 | Electric head light, Flower's, with aluminum reflector and adjustable 5000 lumen very light, for use on 110 volt direct or alternating current..... | 7.00 |



THROAT MIRRORS, THROAT MIRROR HEATERS, ETC.

M-5008	Throat mirrors, copper or nickel plated, foldable, sizes 6 to 8, with metal handle, each	\$1.00
	Size 10 and 12, each	1.50
M-5009	Throat mirrors, regular, sizes 6 to 8, with metal handle, each	.45
M-5010	Universal handle for throat mirrors, each	.30
M-5011	Laryngoscope and mouth lamp, any size mirror may be attached, without mirror	1.00
M-5012	Tongue depressor electrically illuminated	1.00
M-5013	Endoscopic mirror, Michal's, two sizes, each	4.00
M-5014	Electric mirror heater, Muller's, may be attached to 110 volt direct or alternating current	5.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



STAPHYLORRHAPHY INSTRUMENTS

M-5025	Ligature hook	1.00
M-5030	Pharyngeal angular double edged	1.00
M-5035	Bistoury center point	1.00
M-5040	Needles made right and left, DeChang's, each	1.00
M-5045	Same needles, right and left, Brophy's, each	1.00
M-5050	Maxillary clamp, Logan's	1.00
M-5055	Tissue forceps, Brophy's long curved	1.00
M-5060	Tongue forceps, English pattern	1.00
M-5065	Scissors, full curved, Brophy's	1.00
M-5070	Peristaltometer, two patterns, right angle and acute, Brophy's, right and left, each	1.00
M-5075	Bone saws, Brophy's, right and left, each	1.00
M-5080	Mouth gag, Brophy's, made in four sizes, each	1.00
M-5085	Mouth gag, Ferguson's, modified by Brophy, with extra wide bite blocks	1.00
M-5090	Lead plates, each	1.00

Do not mutilate catalogues.—Specify section letter and number in ordering.

M-5095



M-5100



M-5105



M-5110



M-5115



M-5120



M-5125



M-5130



M-5135



M-5140



M-5145



M-5150



M-5155



M-5160



M-5165

DENTAL FORCEPS

M-5095	Root forceps, straight	.....	50
M-5100	Root forceps, half curved	.....	51
M-5105	Root forceps, full curved, lower	.....	52
M-5110	Root forceps, upper universal	.....	53
M-5115	Molar forceps, upper or universal	.....	54
M-5120	Incisor forceps, straight upper	.....	55
M-5125	Incisor forceps, curved lower	.....	56
M-5130	Molar forceps, lower either side	.....	57
M-5135	Molar forceps, upper, right	.....	58
M-5140	Molar forceps, upper, left	.....	59
M-5145	Molar forceps, upper or universal, curved handles	.....	60
M-5150	Molar forceps, lower, either side	.....	61
M-5155	Molar forceps, lower, right	.....	62
M-5160	Molar forceps, lower, left	.....	63
M-5165	Root forceps, upper back, bayonet	.....	64

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-5170



M-5175



M-5180



M-5185

DENTAL SYRINGES

- M-5170 Dental injection syringe, threaded, very powerful and durable. In case complete \$1.50
 M-5175 Dental injection syringe, with three rings and three fine points. In case, complete \$1.50
 M-5180 Dental water syringe, with nozzle \$1.00
 M-5185 Dental water syringe, with bulb and two points \$1.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-5190



M-5195



M-5200



M-5205



M-5210



M-5215



M-5220

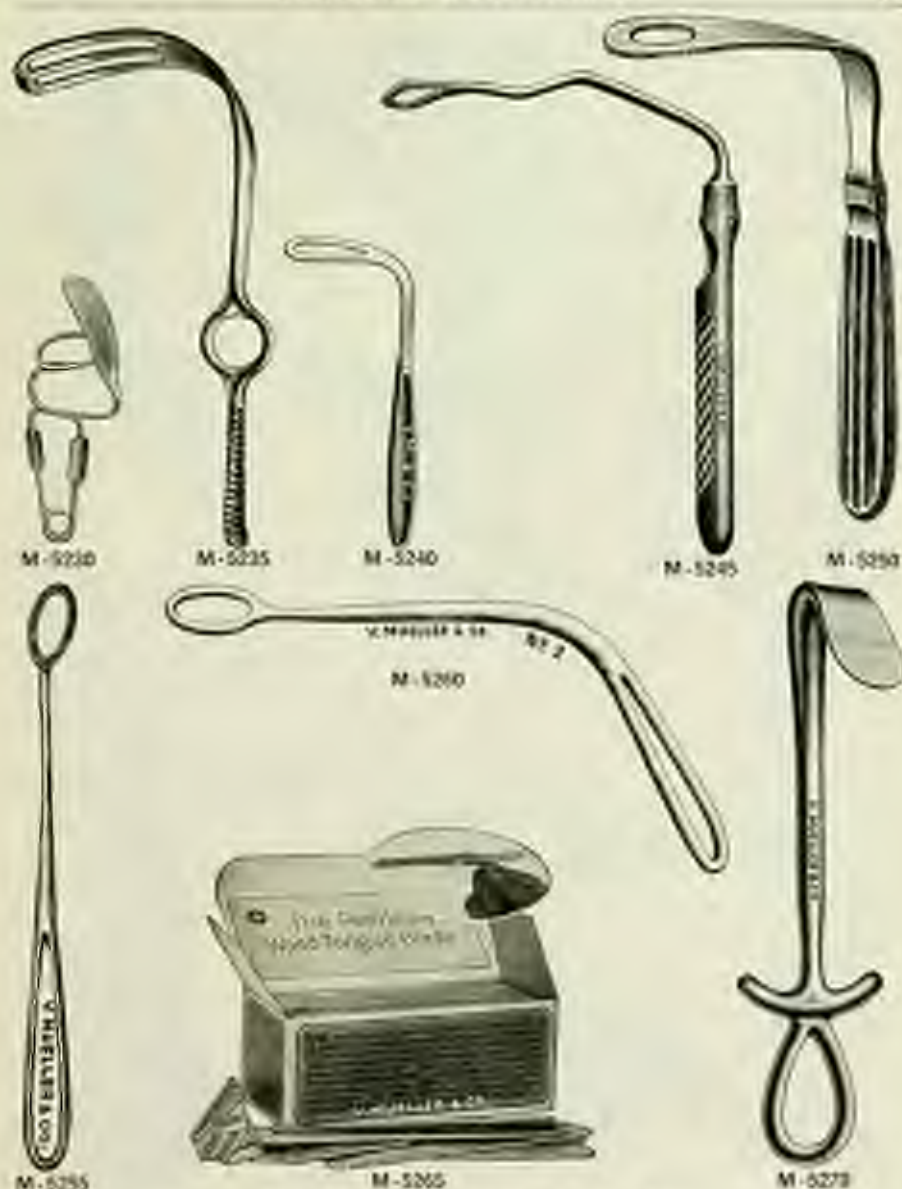


M-5225

TONGUE DEPRESSORS

M-5190	Tongue depressor, Andrew's, made of tempered steel, with plain or serrated blade	\$1.50
M-5195	Tongue depressor, Andrew-Pyckon's, with flange on side	1.25
M-5200	Tongue depressor, Andrew's, with flange on side	2.00
M-5205	Tongue depressor, DeWitt's, wire	.50
M-5210	Tongue depressor, folding, Clayton's	.30
M-5215	Tongue depressor, Herten's, folding, wrought metal	.40
M-5220	Tongue depressor, plain, wrought metal, folding	.25
M-5225	Tongue depressor, Herten's, wrought metal	1.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



TONGUE DEPRESSORS—Continued

M-5230	Tongue depressor, self-retaining, Stöckman's	\$1.10
M-5235	Tongue depressor, Lyschek's	1.00
M-5240	Tongue depressor, Downer's, with long handle	.30
M-5245	Tongue depressor, Layman's	1.50
M-5250	Tongue depressor, Downer's, improved	.15
M-5260	Tongue depressor, Pierce's, straight	.60
M-5265	Tongue depressor, Pierce's, for nasal work, tempered steel, curved	1.10
M-5275	Tongue depressor, made of wood, right dose is best, with handle	.10
M-5279	Cheek retractor, Pierce's	1.75

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-5275



M-5298



M-5295



M-5280



M-5285



M-5300

MOUTH GAGS

M-5275	Mouth gag, Whitcomb's, made in two sizes for adults and children, each.....	\$1.40
M-5298	Mouth gag, Whitcomb's, with tongue depressor two sizes, each.....	\$1.75
M-5297	Mouth gag, Jensen's modification of Stahl's with two tongue depressors, made of tempered steel.....	\$1.00
M-5298	Mouth gag, Jensen's.....	\$1.00
M-5295	Mouth gag, Jensen's, with anesthetic tube for giving chloroform or ether.....	\$1.50
M-5300	Oral screw, hard rubber.....	\$1.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-5305



M-5310



M-5315



M-5320



M-5325



M-5330

MOUTH GAGS—Continued

M-5334	Mouth gag, Rowe's	14 50
M-5335	Mouth gag, Rowe's	1 00
M-5336	Mouth gag, O'Dwyer's	2 00
M-5337	Mouth gag, Pynchon's	0 50
M-5338	Mouth gag, Deffen-Jensen's	1 00
M-5339	Mouth gag, Ferguson's	3 50

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-5325



M-5342



M-5345



M-5350



M-5355

MOUTH GAGS—Continued

M435	Mouth gag, Dorr's (new model) for use in front of mouth, bite blocks and reversal and adjustable	\$5.25
M5280	Mouth gag, Smith's, modification of Muehlen's	2.50
M5341	Mouth gag, Waxham's	2.00
M5554	Mouth gag, Smith's, with two tissue depressors	5.00
M5555	Mouth gag, Smith's, latest improved model and guide	2.00
M5556	Mouth gag, Denhart's, original model	1.50

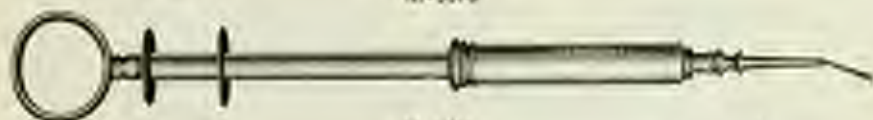
Do not mutilate catalogue.—Specify section letter and number in ordering.



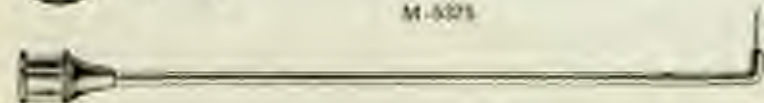
M-5365



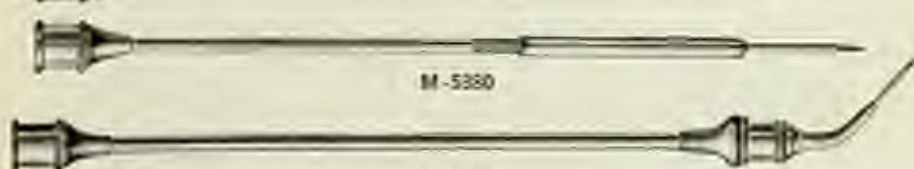
M-5370



M-5371



M-5380



M-5385

TONSIL SYRINGES AND TONSIL NEEDLES

M-5365	Syringe "Benson," glass barrel and "ground in" metal plunger, with extension on needle for use in injecting tonsils, large and the same, complete in metal case	\$20.50
M-5370	Syringe for injecting tonsils, Beck's, with straight and curved needles	2.50
	Extra needles, straight, curved or right angle, each	.25
M-5371	Syringe for injecting tonsils, French's, with three points in case	3.50
M-5380	Needles for injecting tonsils, right angle, 20°; straight with adjustable stop	1.00
M-5385	Syringe extension for injecting tonsils, with curved, straight or right angle needle	.75

Do not mutilate catalogue.—Specify section letter and number in ordering.



ANAESTHETIC APPARATUS

- M-5390 Inhaler, Kilian's pattern, for chloroform or ether \$1.50
- M-5395 Inhaler, Benger's latest improved pattern, with two bottles, graduated bottle graduated for ether or chloroform, the plain bottle as a reservoir for vapor. The bulb is to be connected to the graduated bottle. Capacity of bottles six ounces. Complete as shown 3.00
- Pipe of rubber foot pump or foot pump such as shown with figure 5400 furnished upon application.
- M-5400 Inhaler, Miller's, for chloroform or ether, consisting of foot pump, container for anesthetic, curved mouth tube, mouth gag with anesthetic connection and double adjustable nose piece. Complete 11.00
- M-5405 Inhaler for chloroform, Jenck's, with face mask and double bulb, not illustrated 0.00



M-5405



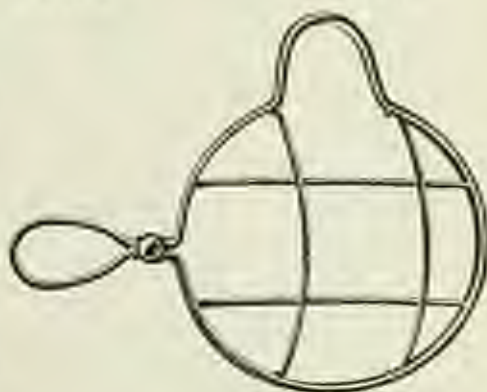
M-5413



M-5415



M-5420



M-5425

ANAESTHETIC AND SECTION APPARATUS

M-5405 Nitrous oxide gas apparatus, Clark-Hurd. This apparatus provides a safe means of administering nitrous oxide gas, as is now considered the safest and most satisfactory anaesthetic known. Price without cylinder \$30.00

For latest type of this apparatus see page 225, figure N-3.

M-5415 Evac. bottle for chloroform, Babcock, with stopcock \$1.00

M-5415 Inhal. mask, Jordan's, specially adapted for operations on the eye 1.00

M-5420 Inhaler, Keweenaw's complete as illustrated 2.00

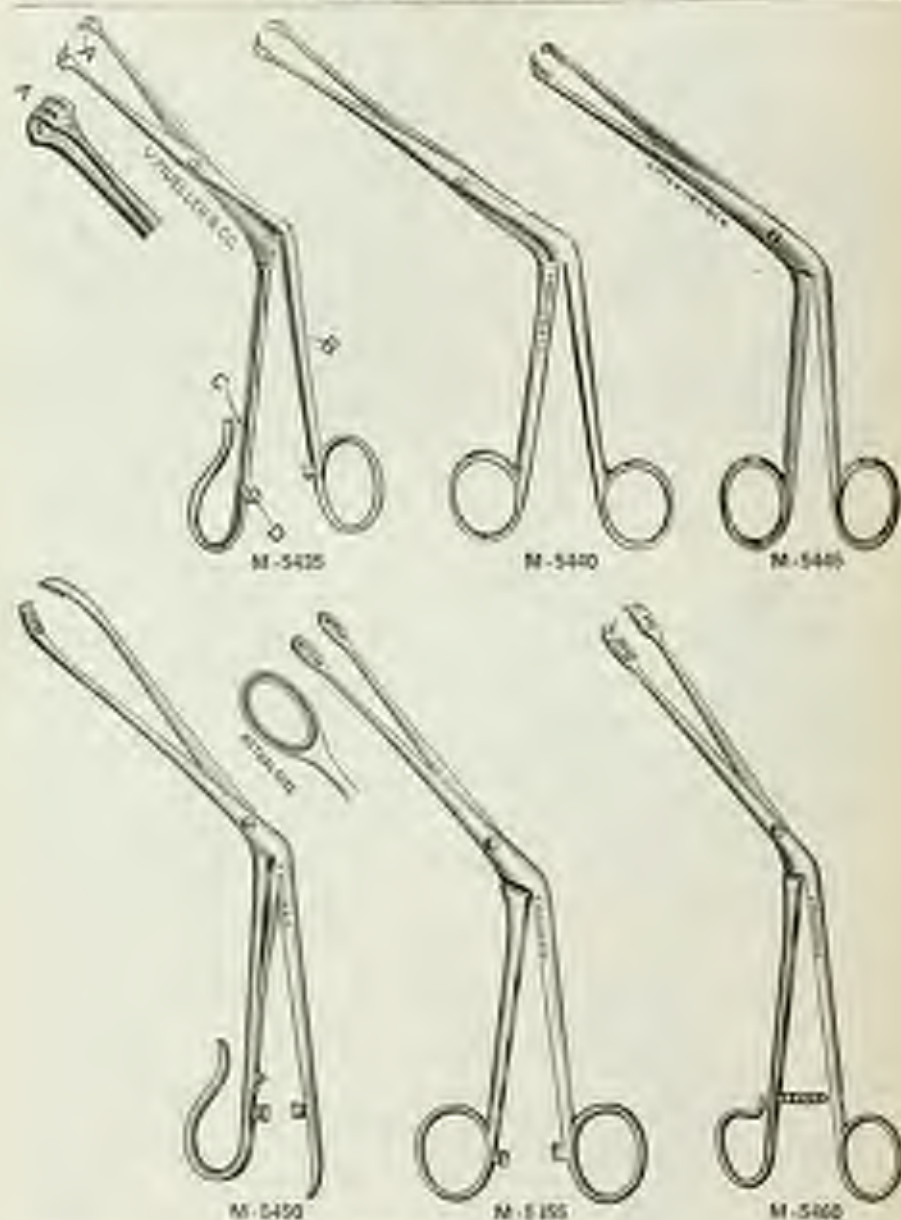
M-5425 Inhaler, chloroform, Ochsner's, H. 001, folding 1.00

For other inhaler apparatus see page 225, figure N.

M-5426 Aspirator, Pye's, for removing blood and mucus from the field of operation 0.50



M-5430

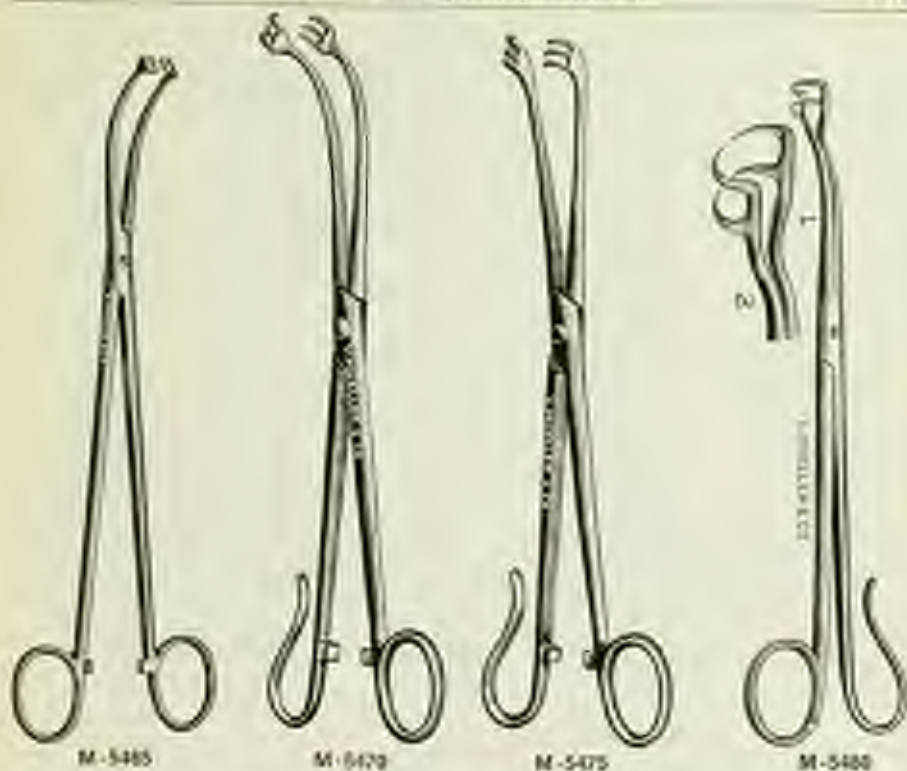


TONSIL FORCEPS

- M-5425 Tonsil Forceps, Tyson's, straight
 M-5440 Tonsil Forceps, Tyson's, 32-01, with lock
 M-5445 Tonsil Forceps, Watson's
 M-5450 Tonsil Forceps, Benton-Marshall's
 M-5455 Tonsil Forceps, Bent's
 M-5460 Tonsil Forceps, Benton-Marshall's, with locking jaw

22
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Do not mutilate catalogue.—Specify section letter and number in ordering.



M-5465

M-5470

M-5475

M-5480



M-5485



M-5490

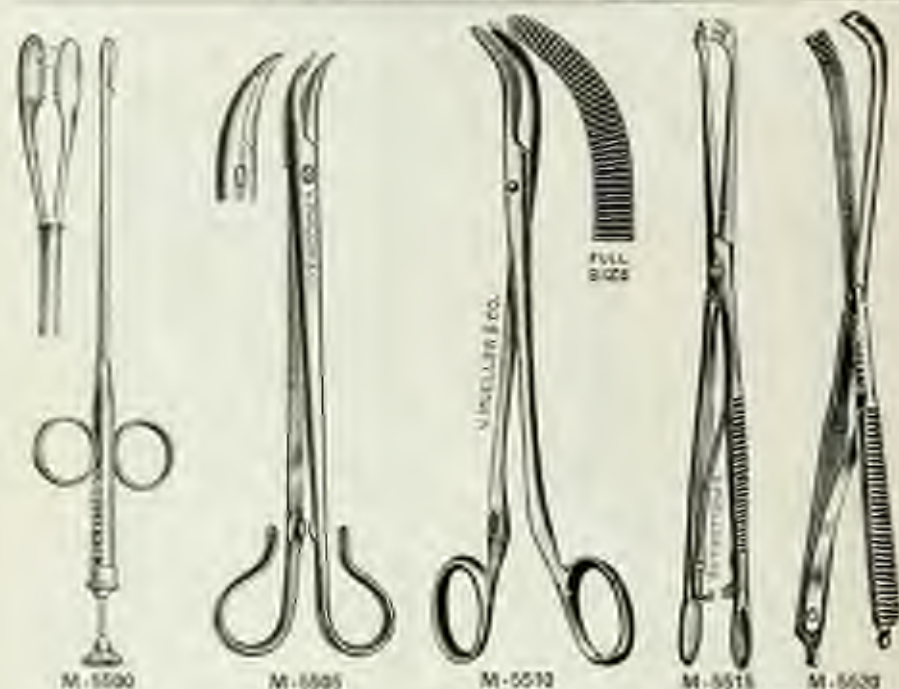


M-5495

TONSIL FORCEPS—Continued

M-5465	Tonsil forceps, White's, with open ring like figure 5470	85
M-5470	Tonsil forceps, Bailey's	85
M-5475	Tonsil forceps, Andrew's	85
M-5480	Tonsil forceps, Chamberlain's	85
M-5485	Tonsil forceps, Fracchi's	85
M-5490	Tonsil forceps, Robinson's	85
M-5495	Tonsil forceps, Rogers's, automatic	85

Do not mutilate catalogue.—Specify section letter and number in ordering.



TONSIL AND UVULA FORCEPS

- M-5500 Forceps, Bovie's, for holding uvula out of field of operation \$1.75
 M-5501 Forceps, Wagner's, pointed, for grasping submucosal tonsils and controlling hemorrhage 1.00
 M-5502 Haemostat, Deane's, for controlling hemorrhage 2.00
 M-5503 Tonsil forceps, Deane's, with automatic catch 2.00
 M-5504 Tonsil forceps, Deane's, with automatic catch 1.00
 M-5505 Tonsil artery forceps, Deane's 1.00
 M-5506 Tonsil grasping forceps, Deane's, small pronged 2.00
 M-5507 Filter separator, Laps's 1.50



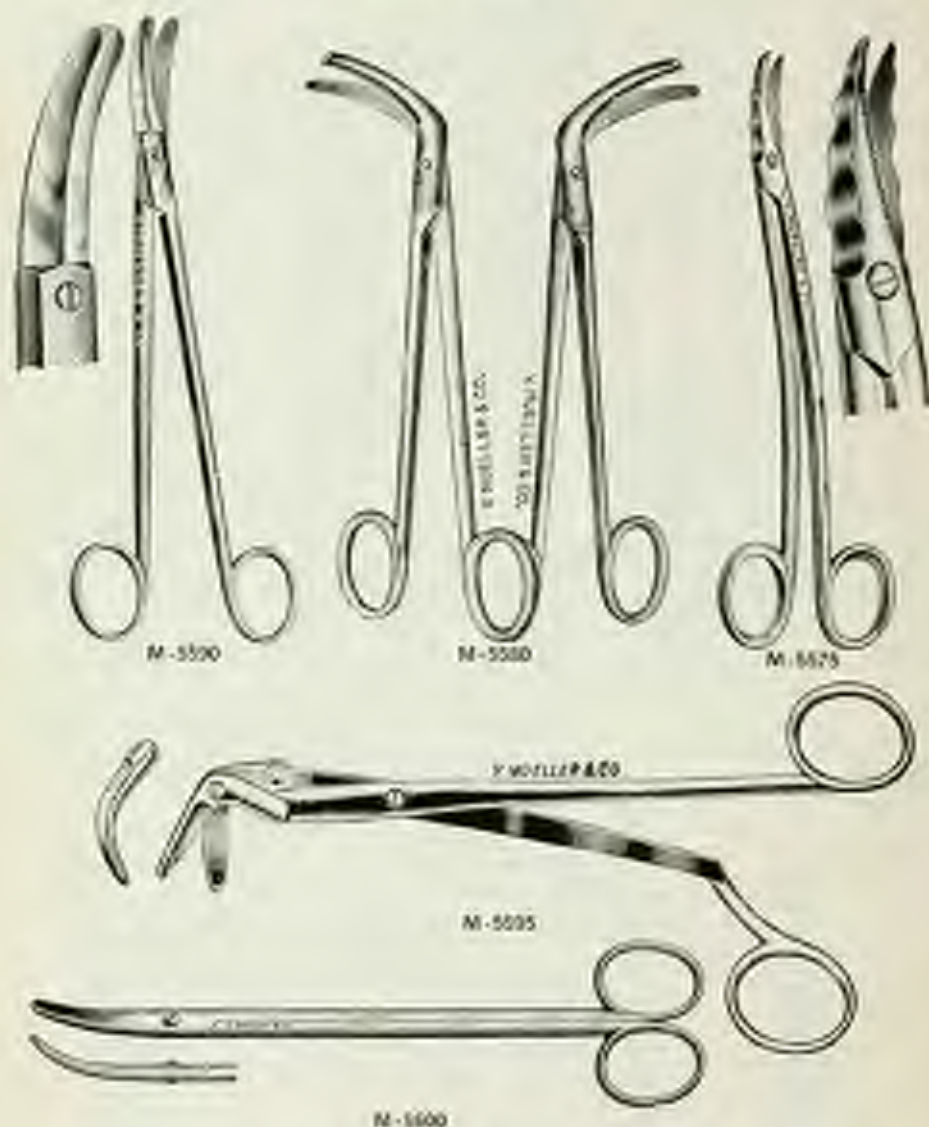
Do not mutilate catalogues.—Specify section letter and number in ordering.



TONSIL FORCEPS AND HAEMOSTATS

M-5540	Tonsil forceps, McKim's.....	2 00
M-5545	Tonsil forceps, Collier's, with spring at side catch.....	2 00
M-5550	Haemostat, Schenck's, for ligating vascular arteries.....	2 00
M-5555	Sponge forceps and haemostat; Pomeroy's, 7 1/2 inch.....	1 00
M-5560	Tonsil haemostat, Jackson's, 7 1/2 inch.....	2 00
M-5565	Tonsil anaprotite, Beck's, 7 1/2 inch.....	2 00
M-5570	Pencil sponge forceps, Halpern's, 7 1/2 inch.....	1 00

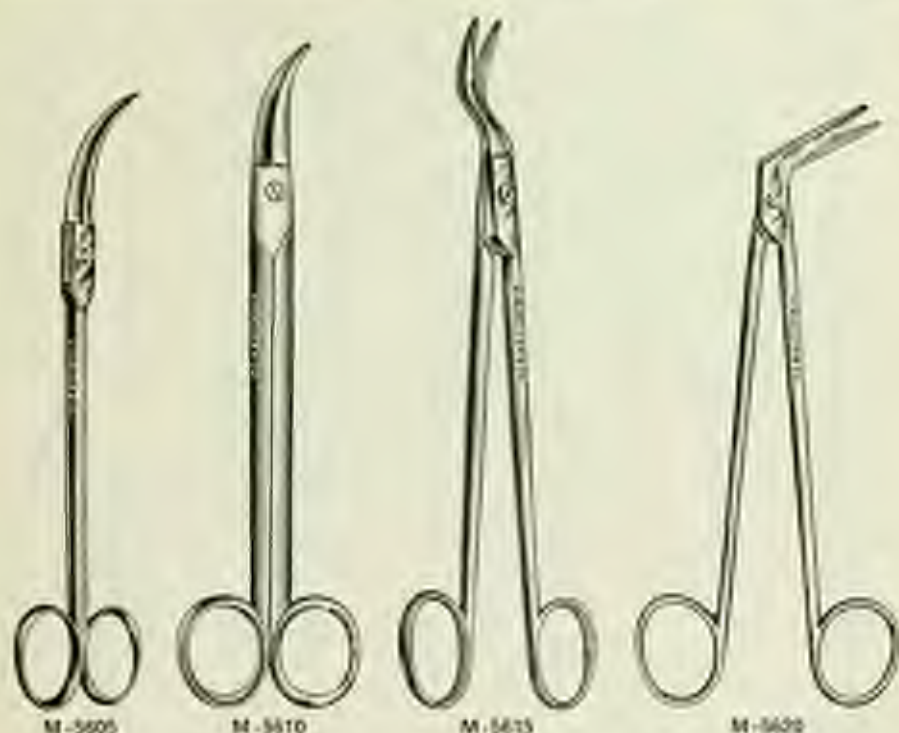




TONSIL SCISSORS.

M-5525	Tonsil scissors, Wadsworth's, serrated edge and blade notched on back.....	\$1.00
M-5525	Tonsil scissors, Farrow's, right and left, each.....	4.00
M-5525	Tonsil scissors, Wadsworth's, blades in Farrow's, but curved at a less acute angle, right and left, not illustrated, each.....	2.00
M-5525	Tonsil scissors, Wadsworth's, serrated edge and blade notched on back, but used as a dissector.....	2.00
M-5525	Tonsil scissors, alligator pattern, Robertson's, made in two sizes for adults and children, right and left, each.....	5.00
M-5525	Tonsil scissors, Wadsworth's.....	2.75

Do not mutilate catalogue.—Specify section letter and number in ordering.



TONSIL SCISSORS—Continued

M-5605	Tonsil scissors, Tasker's, serrated edges	\$5.50
M-5610	Tonsil scissors, Friese's	2.40
M-5615	Tonsil scissors, Steensma's, bayonet shaped round shanks, to prevent the tips from being caught between cheeks	4.25
M-5620	Tonsil scissors, angled bend with round shanks like figure 5625	3.50
M-5625	Tonsil scissors, Griffin's	5.20
M-5630	Tonsil scissors, Dean's	3.20

Do not mutilate catalogue.—Specify section letter and number in ordering.

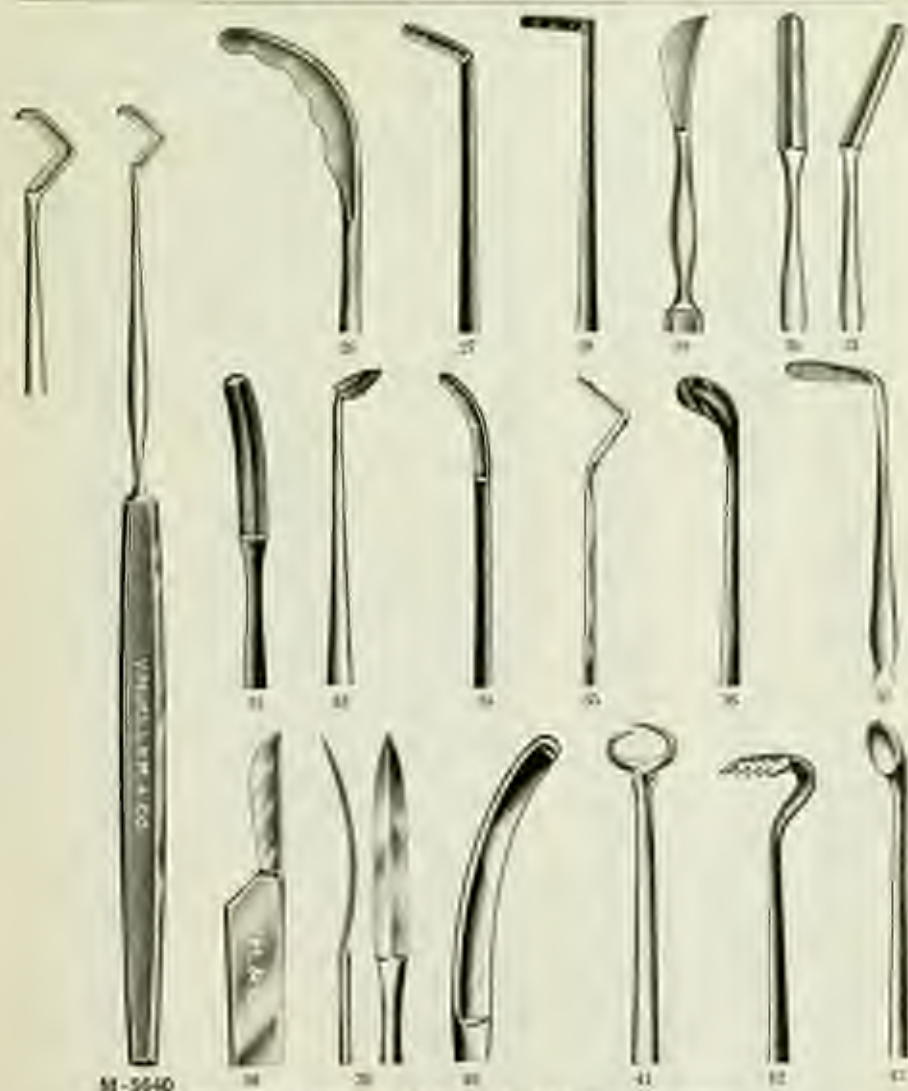


M-5425

TOXSL KNIVES AND DISSECTORS

Metz, Simonson's, double edge	11	Swann's, wavy-edged or plain, figures 13 and 14, each	11
Dissector, figures 1, 2, 3, 15 and 21, each	12	Killian's, figure 14	11
Beck's, figure 4	12	Todd's, figure 15	11
Peck's, figure 5, right and left, each	12	Dissector, small, figure 25, Schaeffer's, figure 26, Pomeroy's, each	12
Croft's, Abraham's, figure 5	12	Kirk's, figure 28	12
Hook, Hotcher's, figure 7	12	Johnson's original, figure 29 and 30, and his latest model figures 29, each	12
Tenard's, double, figure 8	12	Pyraher's, figure 32	12
Hager's, figure 8, curved backwards	12	Balinger's, figure 33	12
Dissector-Alpert's, figure 26	12		
Alpert's, wavy-edged, figure 23	12		
Rever's-Douglas, figure 10	12		

Do not mutilate catalogue.—Specify section letter and number in ordering.



TOSSIL KNIVES AND DISSECTORS—Continued

M-5640 Elong's, latest model	\$1.25	Curry's, thin sharp blade, straight, figure 26	\$1.75
Gras's, wave-edged, figure 26	2.00	Freer's, thin sharp blade, right angle, figure 27	1.25
Har's, straight, figure 27	1.75	Freer's, thin sharp blade, right angle, figure 28	1.25
Har's, right angle, figure 28	1.75	Hallenger's, too short, small size illustrated, figure 29	1.50
Har's, latest model, small blade, figure 29	1.75	Good's, double edged, slightly curved, figure 30	1.50
Har's, double edged, figure 30 straight, figure 31 angular bent, each	2.00	Hobb's, slightly curved on flat, right and left, figure 32, each	1.50
Seller's, double edged, half curved, figure 32	2.00	Tremble, Carter's, figure 33	1.50
Freer's, least shaped, right angle, figure 33	2.00	Exonator, Dickinson's, figure 34	1.75
Day's, half curved, figure 34	1.75	Castle, Hallenger's, figure 35	1.25
Kretschmer's, angular, figure 35	1.75		

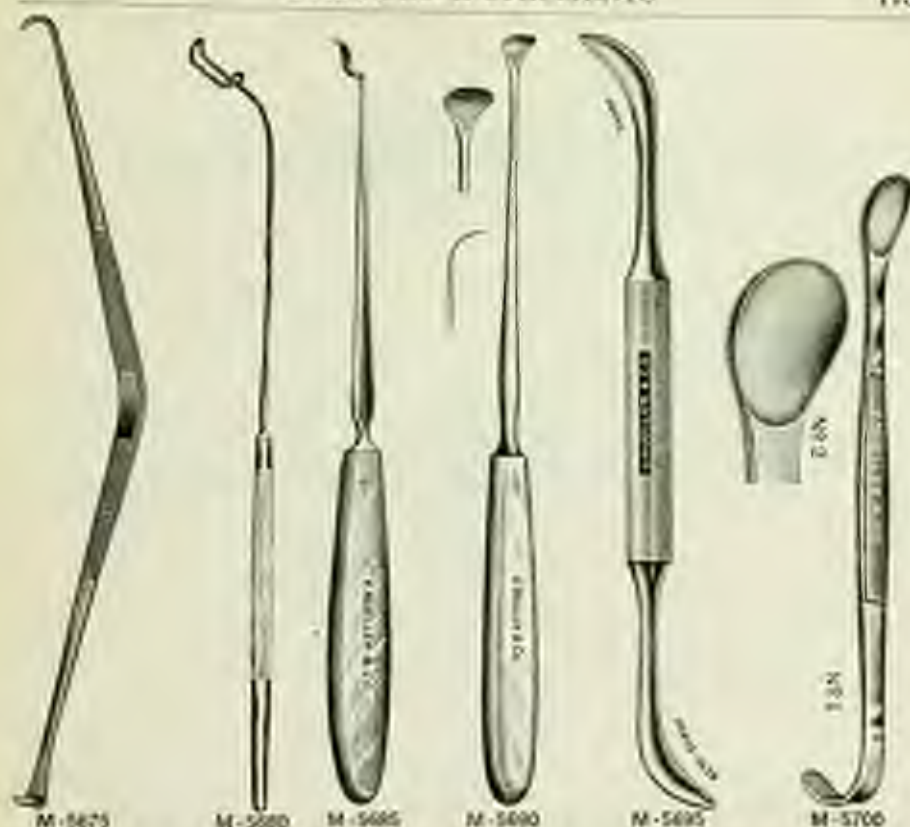
Do not mutilate catalogue.—Specify section letter and number in ordering.



TONSIL KNIVES AND DISSECTORS—Continued

M-5645	Kelly, Larynx's with adjustable guard	10 00
M-5650	Blunt dissector, Todd's	10 00
M-5655	Blunt dissector, Yankauer's	10 00
M-5660	Kelly and blunt dissector, Truinc-Milroy's	10 00
M-5665	Blunt dissector and pillar retractor, Hard's	10 00
M-5670	Carotid spoon, McWhorter's, and blunt dissector, Hard's, combined	10 00
M-5670A	Carotid spoon and knife combined, Carpenter's latest model	10 00

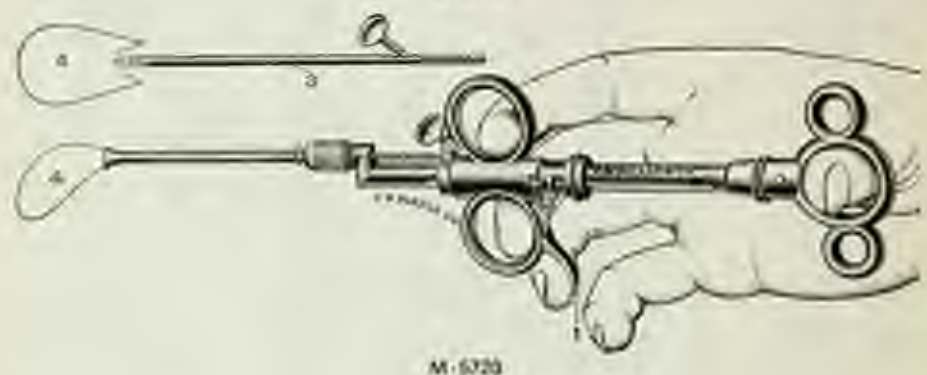
Do not mutilate catalogue.—Specify section letter and number in ordering.



TONSIL KNIVES AND DISSECTORS—Continued

M-5675	Pillar retractor, Wood's	\$1.75
M-5680	Pillar retractor, Schenberger's, right and left, two sizes, each	1.00
M-5685	Pillar knife, Hager's	1.00
M-5690	Tonsil knife, Hager's, made in two sizes, each	1.00
M-5695	Dissector, double ended, sharp and blunt, Hager's	1.00
M-5706	Dissection spoon, McWhann's, latest model	1.00
M-5705	Dissector, double ended, Hager's, blunt and sharp	1.00
M-5710	Knife and blunt dissector, Hager's	1.00

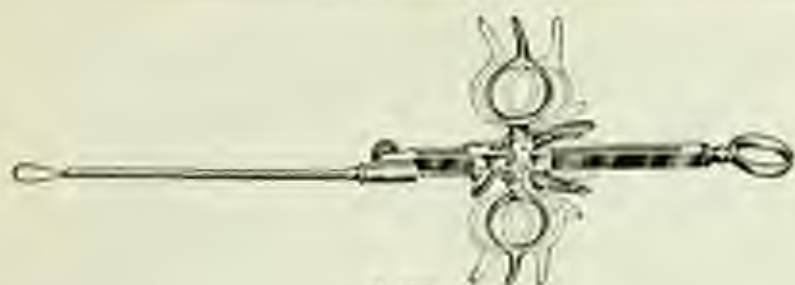
Do not mutilate catalogue.—Specify section letter and number in ordering.



TONSIL SNARES

M-5715 Tonsil snare, Three-Markle, latest model.....	\$2.00
This snare is very simple and carefully made of steel throughout. It can be locked in any position and converted into an extractor. Directions for using accompany illustration.	
M-5720 Tonsil snare, Boethcher's modification of Parkes's latest model.....	\$2.00
M-5725 Tonsil snare, Markle's, with friction clutch and extensor attachment.....	\$3.00
M-5730 Tonsil snare, Pynchon's.....	\$3.00

Do not evaluate catalogue.—Specify section letter and number in ordering.



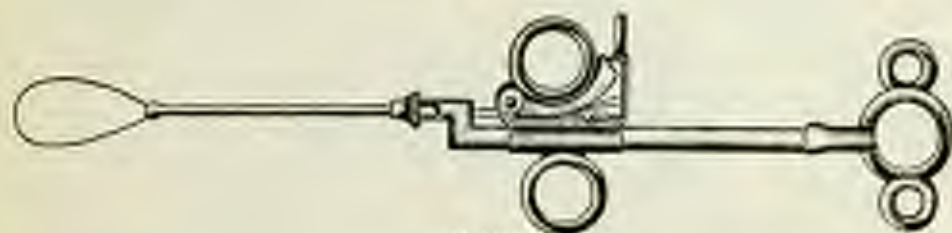
M-5735



M-5746



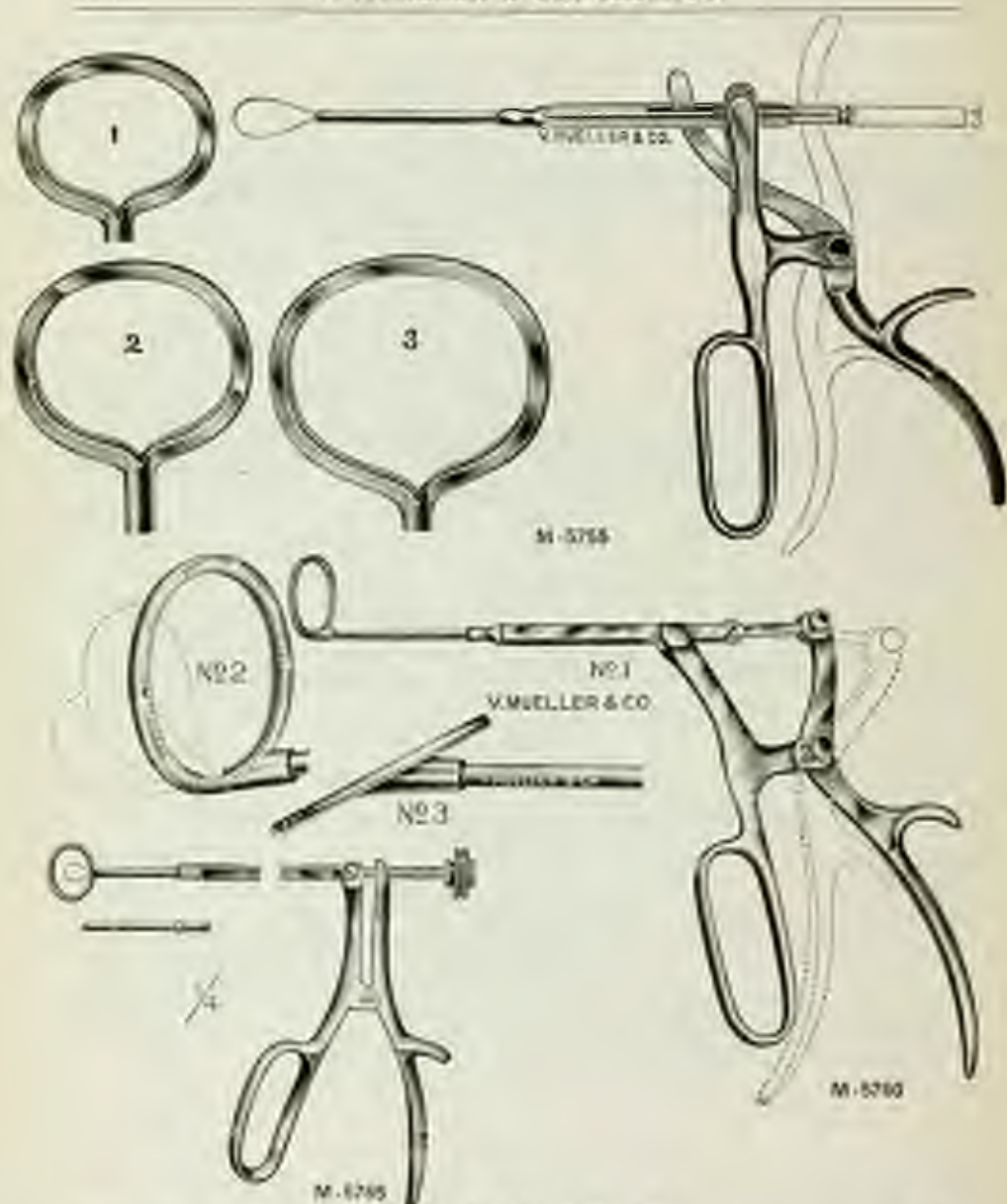
M-5745



M-5750

TONSIL SNARES—Continued

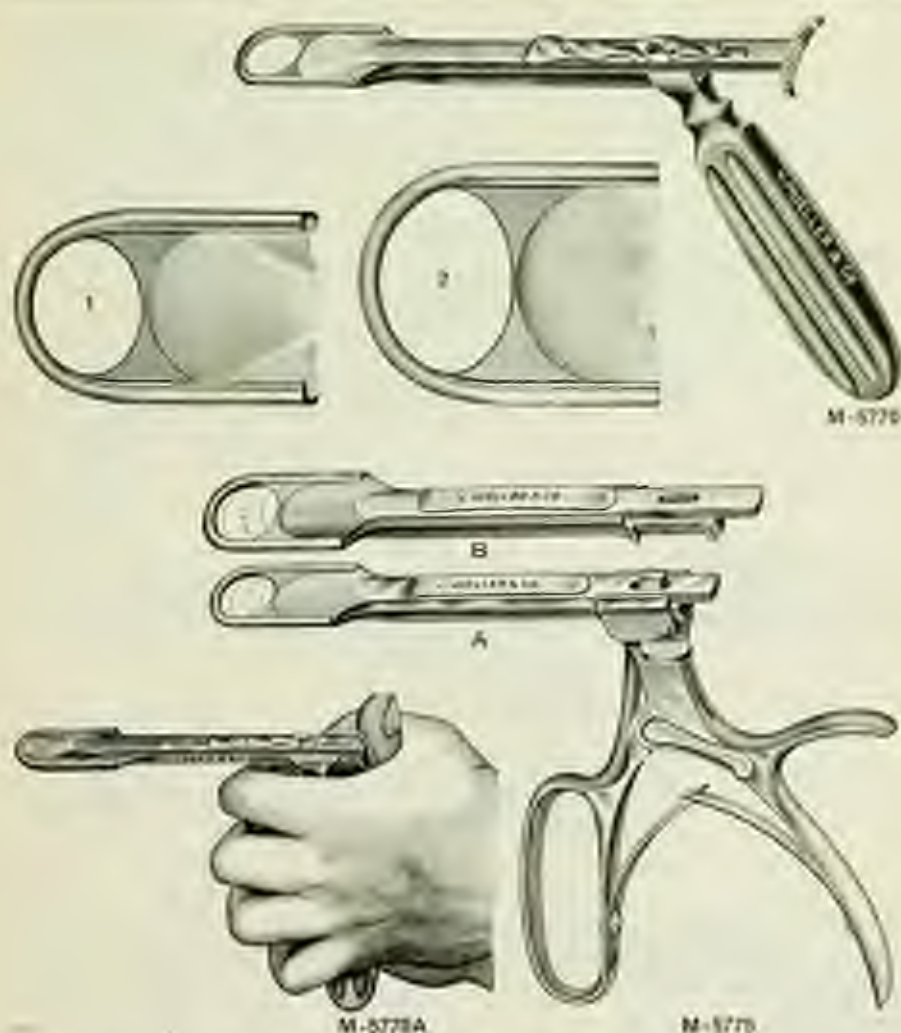
M-5735	Tonsil snare, Cassberry-Margale, with two canulas and two wire carriers.....	\$25.00
M-5740	Tonsil snare, Hill's	5.00
M-5745	Tonsil snare, Evers', original	6.00
M-5746A	Tonsil snare, Evers' with ratchet attachment (not illustrated)	7.50
M-5750	Tonsil snare, Wiley's, improved model	10.00
	Two extra wire loops accompanying each snare.....	
	Extra loops, per dozen	10



TOXIC SNARES—Continued

M-5755	Toxin snare, Tying's light improved model, set.	\$10.00
Figures 1, 2 and 3	represent Yodley loops, size of which accompanies the same. Medium size is always sent unless otherwise specified.	
M-5756	Yodley loops, three sizes, each set.	\$1.00
M-5758	Toxin snare, Gerson's, with E. and L. carrying loops, set.	\$10.00
As seen from the illustration the wire carrying loops are set at a slant to facilitate the passing of the wire over the testis.		
M-5759	Toxin snare, Brown's, with straight side and Yodley loop.	\$7.50

Do not mutilate catalogue.—Specify section letter and number in ordering.



TONSIL GUILLOTINES

M-5776 The Slender guillotine for the complete removal of the tonsils with the expendable blade, made in two sizes. Figures 1 and 2 illustrate actual sizes. Each..... \$1.50
 is considerably pressure is exerted to the removal of tonsils by Dr. Slender's method, these instruments are made several times as heavy as the old McKenna's guillotines. The blade cuts against a soft copper plate instead of through a groove as in McKenna's instrument.

When more strength is required than can be exerted with the thumb in order to push the cutting blade home, the instrument should be grasped with both hands as shown in figure 5776A.

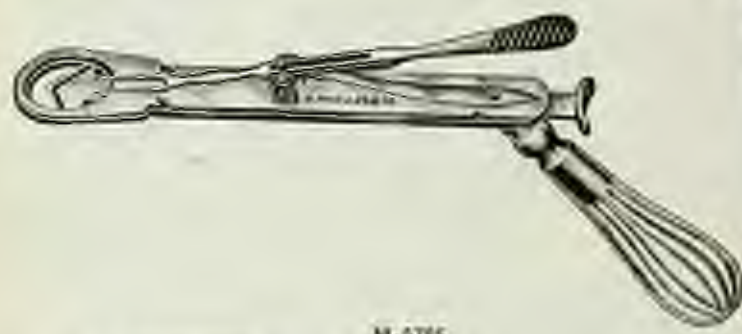
See technique see Journal of S. M. A., March 21st, 1911, page 87.
 M-5776 The Slender guillotine for tonsillectomy as made by us for Dr. Halstead. With two blades, one handle..... \$11.50

The blades are interchangeable and the change from one blade to another can be accomplished in a moment's time. The guillotines proper are the same in every respect as figure 5776.

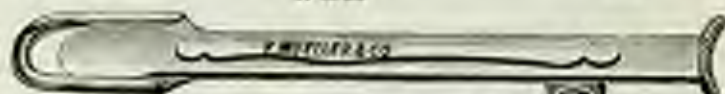
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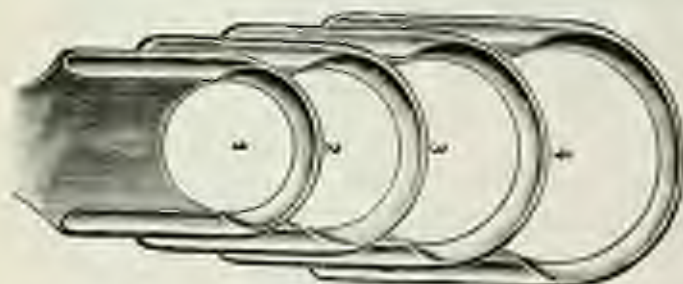
M-5780



M-5785



M-5790



M-5795A

M-5795

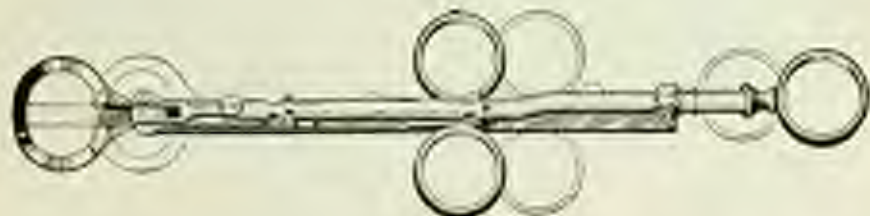
TONSILLOTOMES

M-5780	Tonsillotomy, McKim's improved with ring, made in three sizes, each.....	15 00
M-5785	Tonsillotomy, Gem's, modified by Oschner	10 00
M-5790	Tonsillotomy, Bishop's improved, with folding handle, three sizes, each.....	20 00
M-5795	Tonsillotomy, McKim's, made in four sizes, illustrations show actual sizes.	
	Each	4 75

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-5800



M-5805



M-5810



M-5810A



M-5810A

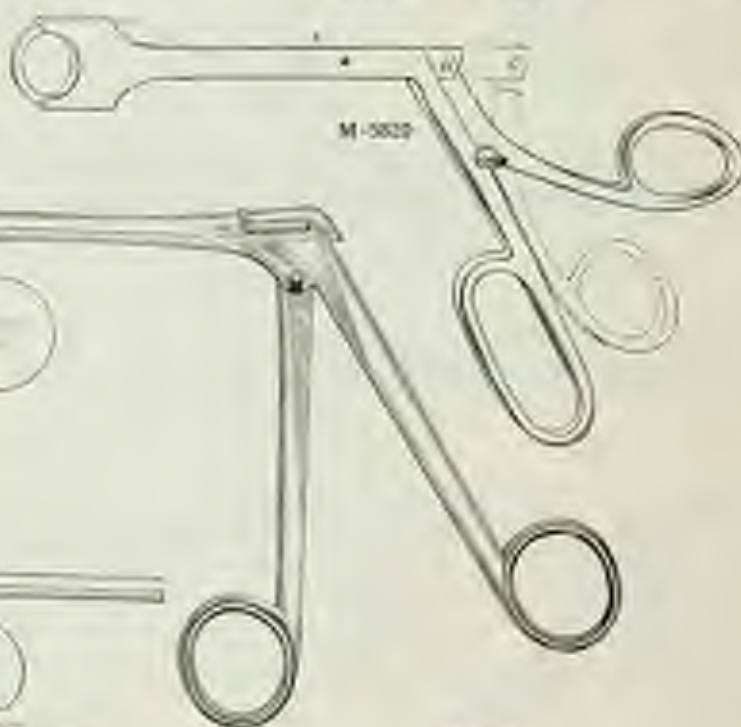
TONSILLOTOMES—Continued

M-5800	Tonsillotomy, Chalmers's, made in three sizes, each.....	\$5.00
M-5805	Tonsillotomy, Ersmoff's improved, made in four sizes, each.....	4.00
M-5810	Tonsillotomy, Mathew's original, made in three sizes, each.....	5.00
M-5810A	Tonsillotomy, Mathew's Shaper, made in four sizes, straightener also extra size. Each.....	4.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-5515



M-5520

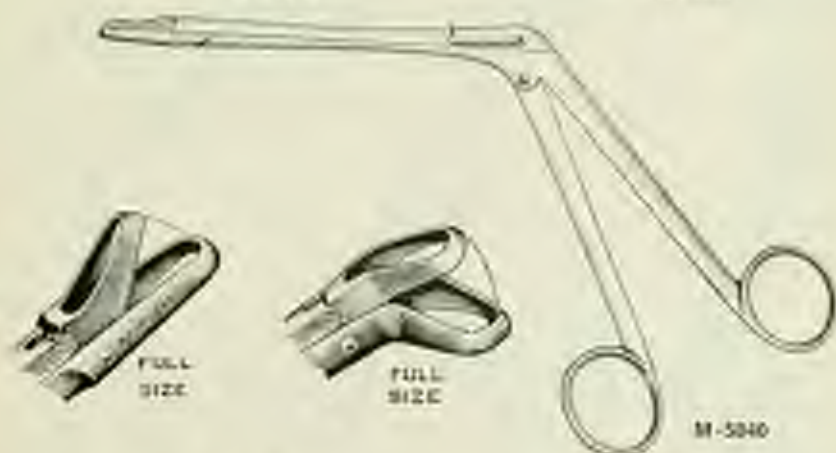
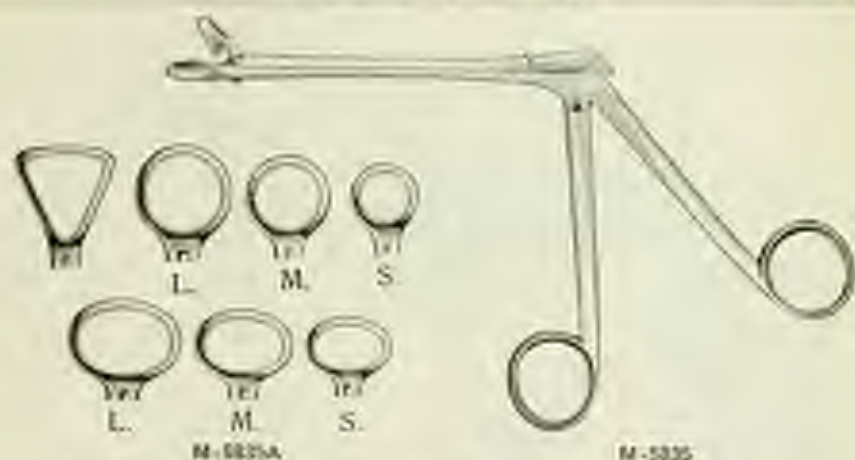
M-5530

M-5525

TONSIL PUNCHES AND ECRISEURS

M-5515	Tonsil punch, Roberts-Mueller's latest improved model, blade is two sizes, each	\$8.00
M-5525A	Tonsil writer punch, Roberts-Mueller's, with large and small blade and one handle	15.00
M-5528	Tonsil writer and crusher, Roberts-Mueller's, with one sharp and one blunt blade	32.00
M-5529	Tonsil punch, Roberts-Mueller's	9.00
M-5530	Tonsil punch, Roberts-Mueller's, best available	9.50

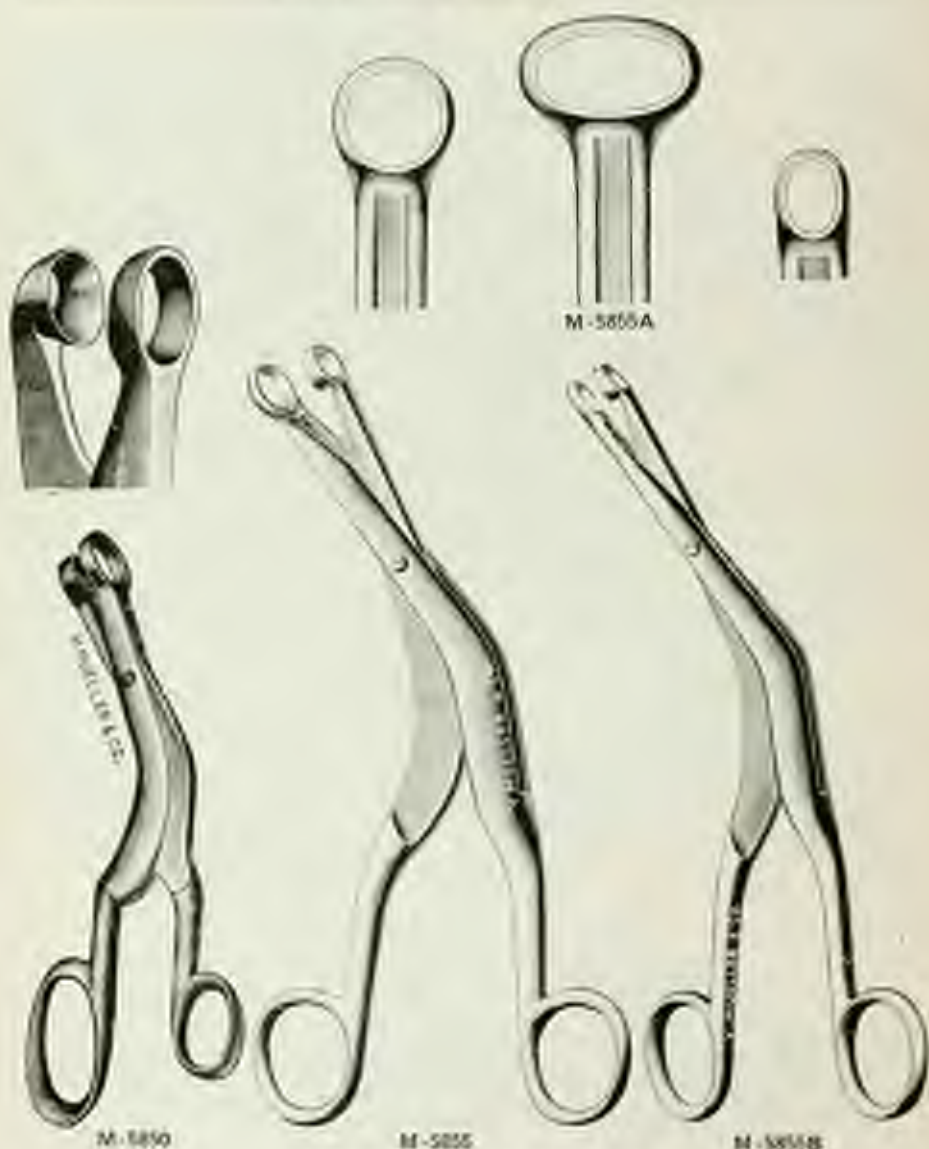
Do not mutilate catalogue.—Specify section letter and number in ordering.



TONSIL PUNCHES—Continued

M-5335	Tonsil punch, Hartman's, round, three sizes, large, medium, and small, each	10 00
M-5335A	Tonsil punch, Hartman's oval, three sizes, large, medium, and small, each	5 00
M-5335B	Tonsil punch, Hartman's, triangular	5 00
M-5335	Tonsil punch, Styles', made straight and right and left, straight, each, 34 00	10 00
M-5335	Tonsil punch, Styles'	5 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



TOOTH PUNCHES—Continued

M-5854	Tooth punch, Bask's, small blade on underside	\$1.00
M-5855	Tooth punch, Bask's, made in two sizes, with large ring on one side (like Fig. 5854)	2.00
M-5855A	Tooth punch, Bask's, size 44, 500, 1st with extra cutting blades	3.00
M-5855B	Tooth punch, Bask's, size 44, 500, 2nd	3.00

The illustrations on top of page show the actual shape of the cutting blades.

For other tooth punches drilled in Universal handle, see page 177.

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-5850



M-5855



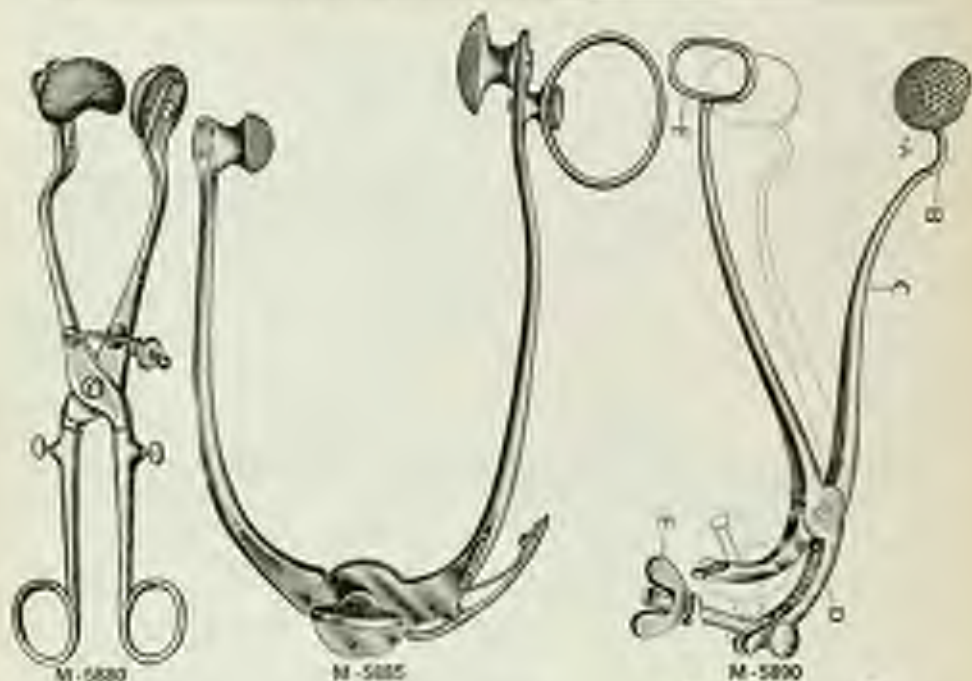
M-5875



M-5875

LINGUAL TONSIL INSTRUMENTS

M-5850	Lingual tonsil carrier, "Wiggins's"	..... \$2.00
M-5855	Lingual tonsil carrier, "Myers"	..... 5.00
M-5875	Lingual tonsil punch, "Kendrick"	..... 10.00
M-5875	Lingual tonsil punch, "Clifford"	..... 10.00



TONSIL HAEMOSTATS

- M-5880 Tonsil haemostat.
Clark's, for use
holding tonsils
after hemorrhage \$ 50
- M-5885 Tonsil haemostat.
Hirsch, with auto-
matically locking de-
vice, posts made of
aluminum \$ 75
- M-5890 Tonsil haemostat.
Tymann. The in-
strument is so
shaped that it can
be applied on one
side when neces-
sary, while the
other tonsil is be-
ing removed..... \$ 60
- M-5895 Tonsil haemostat.
Boettcher's mod-
ification of Hirsch \$ 60
- M-5895A Tonsil haemostat.
Cramer's, with
automatic catch..... \$ 60

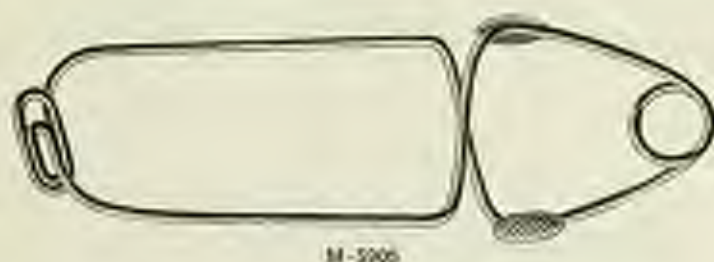


M-5895



M-5895A

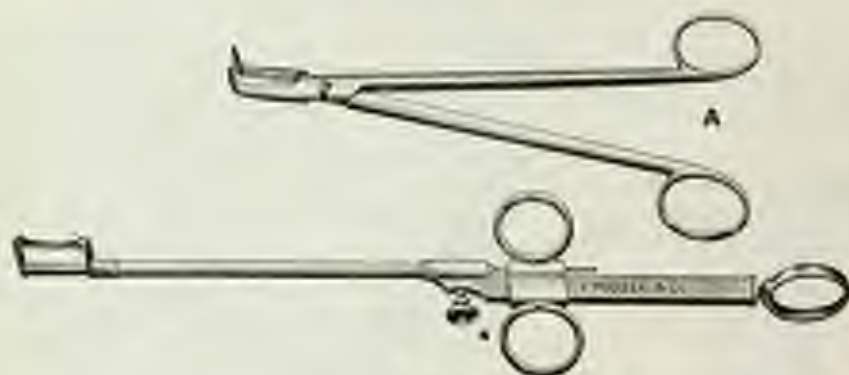
Do not mutilate catalogue.—Specify section letter and number in ordering.



TONSIL HAEMOSTATS AND DIVULSORS

- M-5900 Tonsil haemostat, Fierro's, can be turned to the right or left, the handles removed and the clamp left in the mouth if necessary..... £9. 00
- M-5905 Tonsil haemostat, Aoyama's..... 1. 50
- M-5910 Tonsil haemostat, Large's, new model..... 1. 25
- M-5920A Divulser, Fierro's, for opening tonsillar abscesses, externally, improved model.... 0. 50

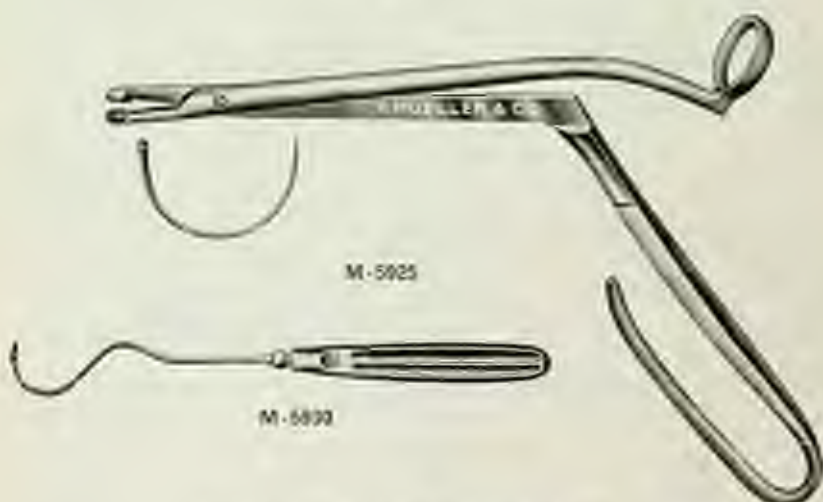
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M-5915



M-5920



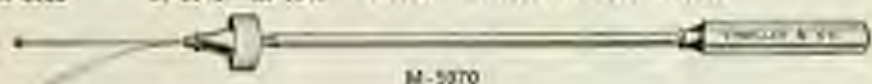
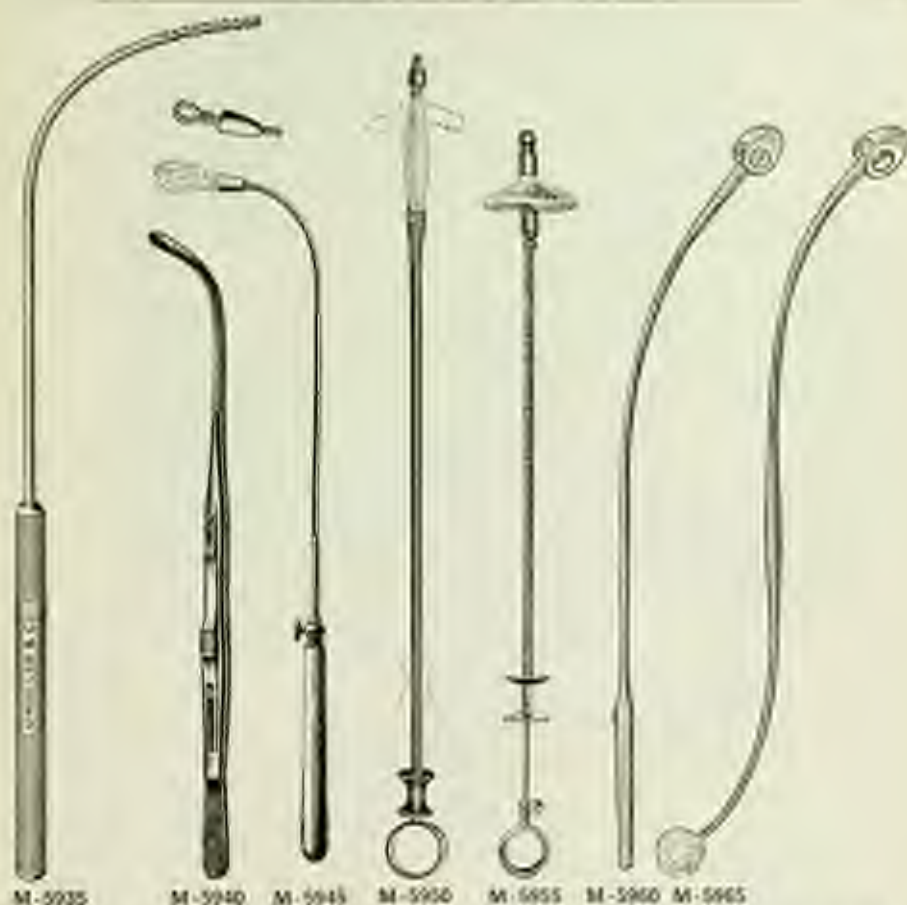
M-5925

M-5930

TOXSEL SUTURING INSTRUMENTS

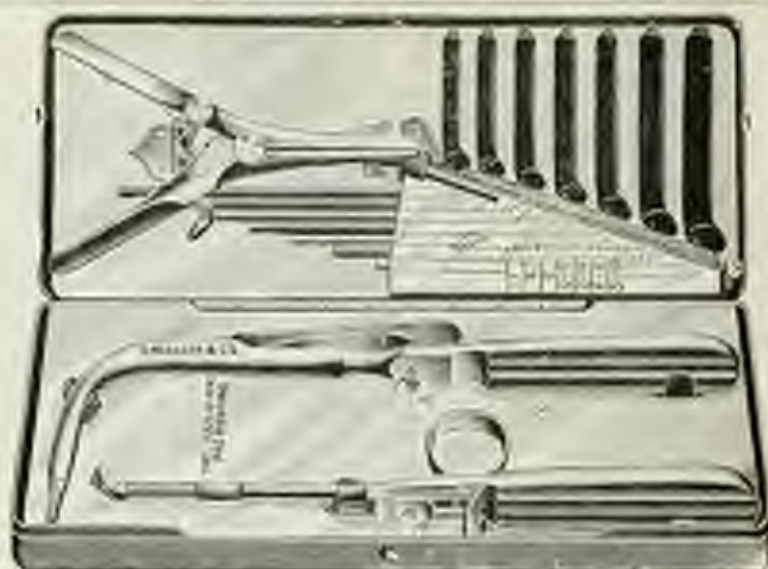
M-5925	Instrument for applying metal suture to the gills for the purpose of controlling post-operative hemorrhage, Wagner's. (Figure A, instrument for removing metal suture clips. Outfit complete with 25 metal suture clips.)	\$2.50
M-5926	Toxsel suture needle, McCann Smith's	1.00
M-5927	Toxsel needle holder, and needles, McKeen's, with six needles	5.00
M-5928	Toxsel suture needle, Sengst	1.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



THROAT APPLICATORS, PROBES AND COIL CATCHERS

M-5935	Applicator, Kewell's, made of copper, spiral end	\$4.50
M-5940	Forceps, Cohen's, for holding sponges	1.50
M-5945	Applicator, Turner's	1.50
M-5950	Probe, Kewell's, with web covered stem	1.50
M-5955	Probe, Kewell's, with spiral metal stem, new model	1.50
M-5960	Coil catcher, with double whale bone stem	1.50
M-5965	Coil catcher and printing combined	1.50
M-5970	Applicator for web nails, Buck's, new model with flat screw, with 200 wire nails	1.50
M-5975	Applicator, Deau's, triangular end, soft copper	1.50
M-5980	Applicator, Hollander's, aluminum, spiral end	1.50
M-5985	Applicator, Fysson's, aluminum	1.50



M. 5593

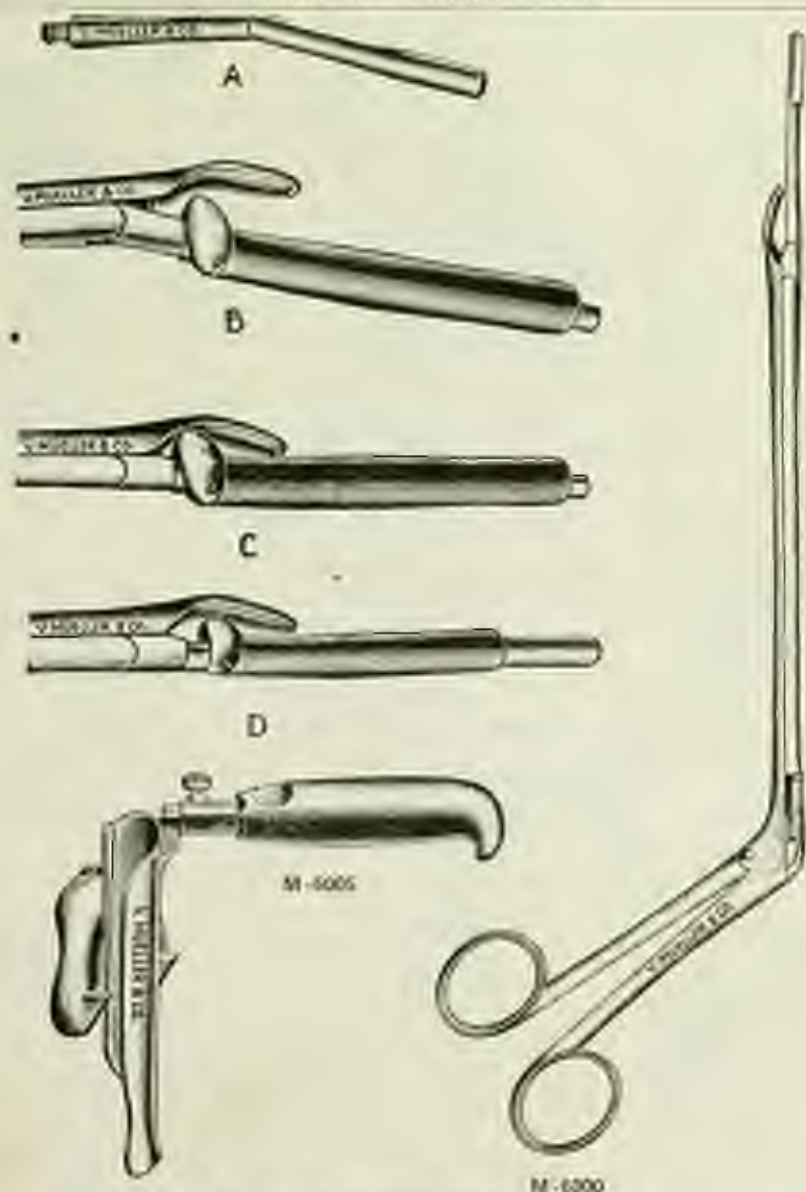


M. 5595

INTUBATION INSTRUMENTS

- M. 5593. Intubation set, Howard's/Hoyer's, with metal coil placed in hard rubber metal lined intubation tube. Set complete. \$15.00
- M. 5594. Single intubation tube and accessories, each. 7.50
- M. 5595. Intubation set, Howard's, consisting of intubation and extubation instruments, complete. Six metal gold plated tubes, one mouth gag, one scale of jaws, and one coil of flexible silk put up in washable roll. 10.00
- M. 5596. Single intubation probe, each. 1.00

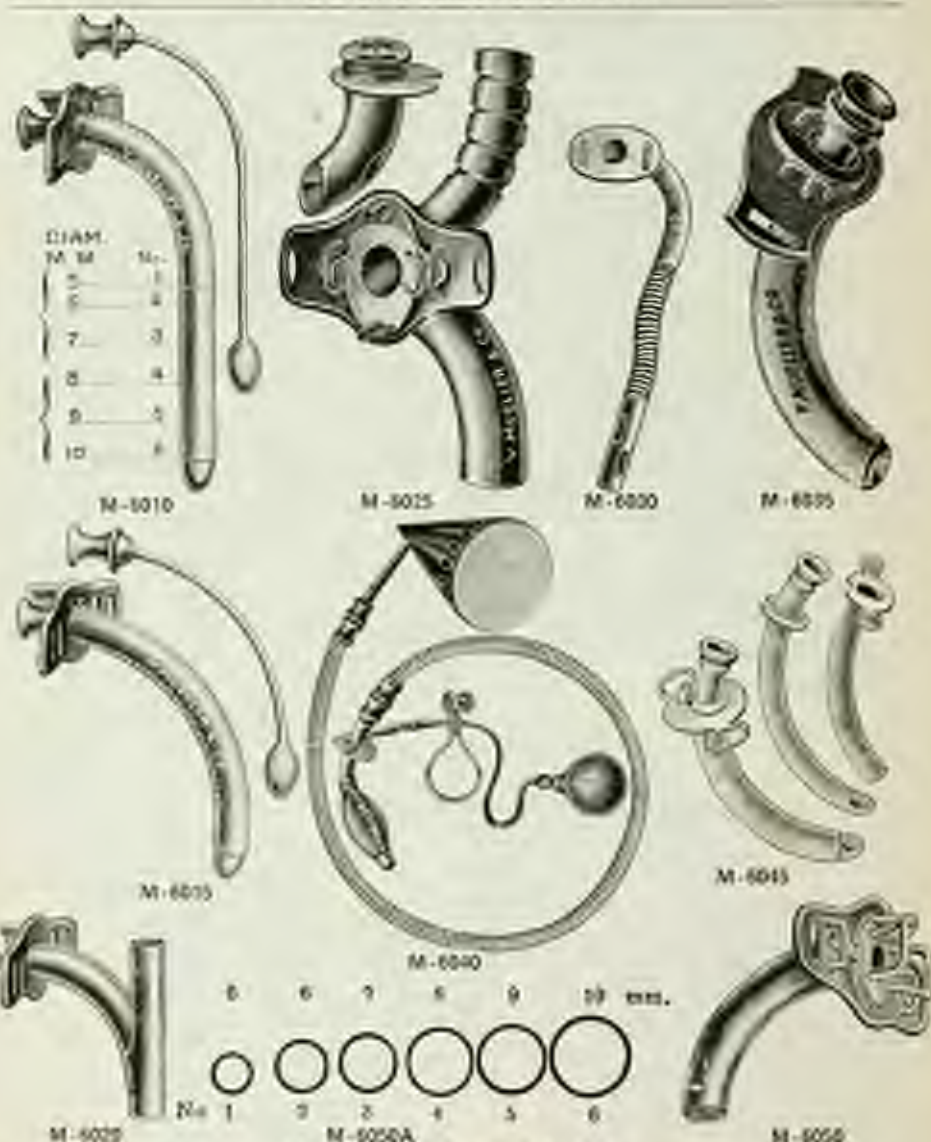
Do not mutilate catalogue.—Specify section letter and number in ordering.



INTUBATION INSTRUMENTS—Continued

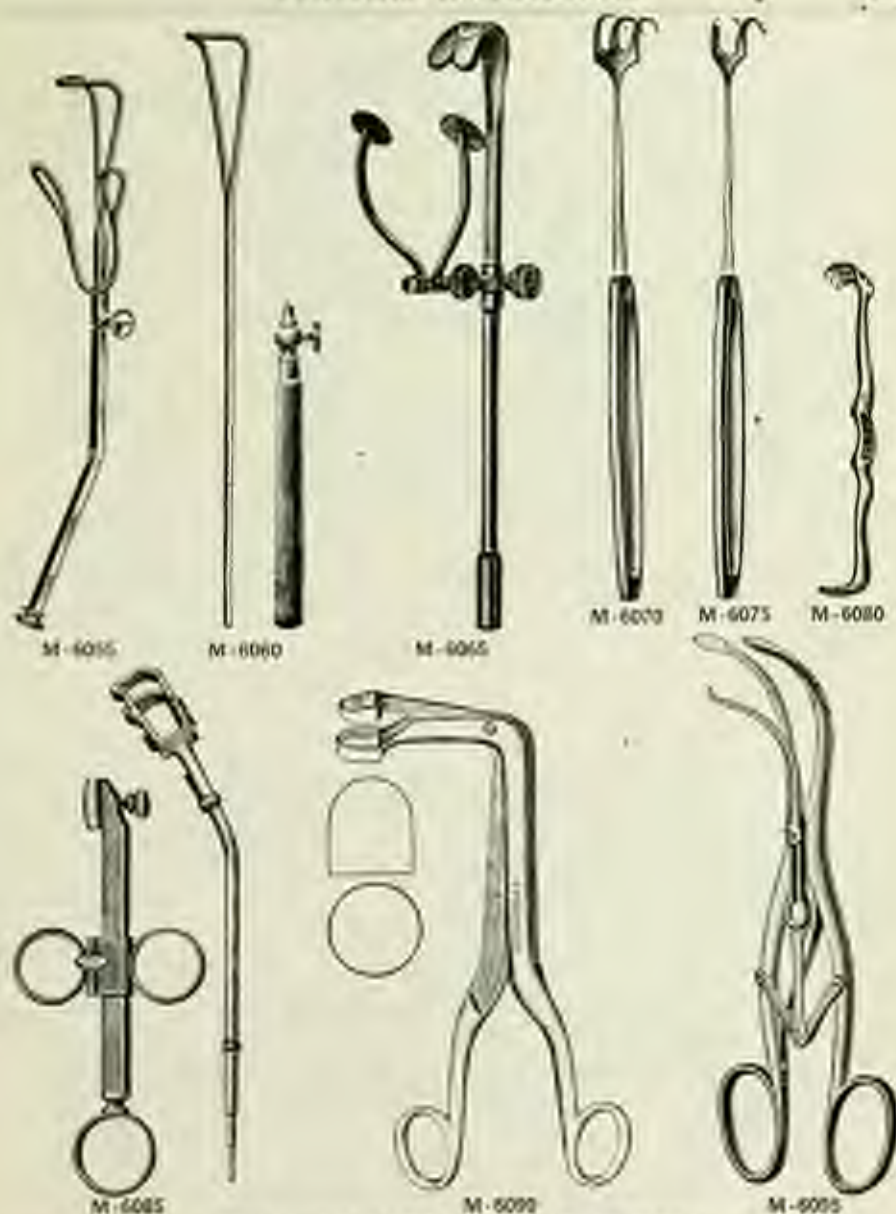
- M-400 Tube carrying lamp, Mosher's, for direct intubation either through Mosher's, Jackson's, or Magill's laryngeal specula. Figure A represents extensor for the intubating tubes. Four illustrations of different sizes are furnished with the specula. Complete, without tubes..... \$12.00
- M-400A Intubation tubes for use with Mosher's direct intubation instruments, each..... 2.00
- M-4005 Laryngeal specula, Mosher's, made in two sizes, with noncompressible handle, each, with handle..... 7.50
- Specula only, \$1.50; handle only..... 2.50
- M-4005A Youth guard or mouth gag, illustrated above in connection with specula, Mosher's, made in three sizes, each..... 1.25

Do not mutilate catalogue.—Specify section letter and number in ordering.



TRACHEOTOMY TUBES, ETC.

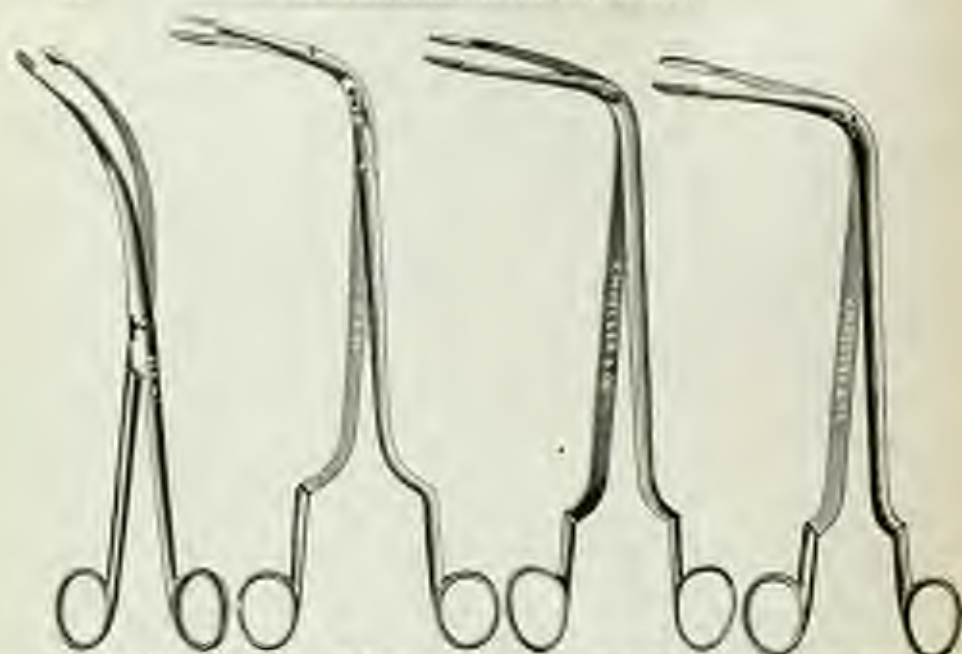
M-6010	Tracheal tube, Jackson's, nose adapted with pilot	
M-6015	Tracheal tube, Jackson's, full curved with pilot. Each made in six sizes, silver, 1, 2, and 3, each, \$1.00; 4, 5, and 6, each, \$1.50	\$1.00
M-6020	Laryngoscope tube, Jackson's, made of silver in three sizes, large, medium and small, each, \$1.50, \$1.00 and .75	\$1.50
M-6025	Artificial larynx, Van Hecke's, made of silver, in order only. Price according to size and nature of the case	
M-6030	Tracheal tube, Kocher's, spiral, made of silver	\$1.50
M-6035	Tracheal tubes, made of hard rubber, five sizes	\$1.00
M-6040	Tracheal tube, Tracheotomy's, with lamp, two sizes. Tubes only without larynx, \$1.00 and .75	\$1.00
M-6045	Chondroform larynx for above tubes	\$1.00
M-6050	Tracheal tube, Cohen's, oval, double	\$1.00
M-6055	Tracheal tube, Lary's, made in six sizes, aluminum, each, \$1.50; silver, steel 1, 2, and 3, each, \$1.25; sizes 4, 5, and 6, each, \$1.50	\$1.50
M-6055	Socket for tracheal tubes	



UTTERA AND LARYNGEAL INSTRUMENTS

M-6052	Retractor, uvula, White's	11 00
M-6054	Retractor, uvula, glass with lateral handle	12 00
M-6056	Retractor, uvula, Meritt-Schmidt's	13 00
M-6058	Retractor, tracheal, three-pronged, sharp or blunt, each	14 00
M-6059	Retractor, tracheal, two-pronged, sharp or blunt, each	15 00
M-6060	Retractor, tracheal, double-ended, pair	16 00
M-6062	Forceps, and handle, Alexander's, for removing the epiglottis, set	17 00
M-6064	Forceps, Meritt-Schmidt's, for removing the epiglottis, two shapes, as illustrated	18 00
M-6066	Dilator for tracheal wound, Lillie's	19 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-6100

M-6105

M-6110

M-6115



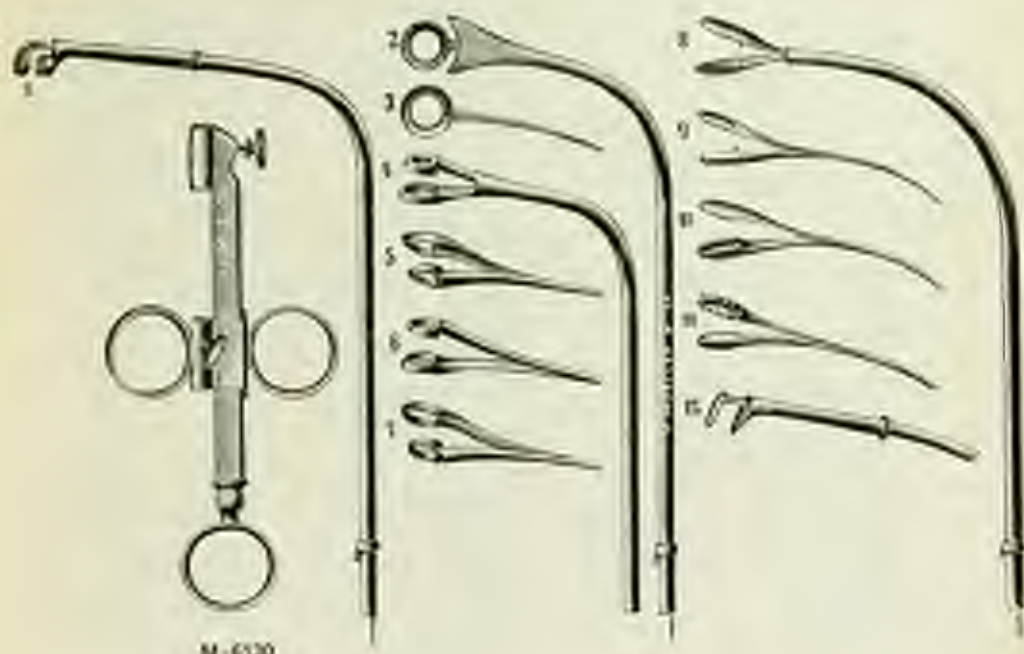
M-6120

M-6120

LARYNGEAL FORCEPS AND SNARES

M-6100	Grasping forceps, Towell's	\$2.50
M-6105	Grasping forceps, McKee's, articulated	4.50
M-6110	Grasping forceps, McKee's, plain, as series, superior or inferior	2.25
M-6115	Grasping forceps, McKee's, plain	2.25
M-6120	Curling forceps, Towell's, three patterns, vertical, and right and left lateral	2.50
M-6125	Laryngeal snare, Jackson's, with automatically referring loop, Universal	5.00
M-6130	Laryngeal snare, plate, filling device handle and wire carrier for same	2.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



LARYNGEAL OPERATING INSTRUMENTS



M-6133

state Universal Health, Know's
by various spelling lists

Figure 1. Laryngeal tube carved with Lindberg's double vents.

Figures 3 and 2. Arranged caudal
with right and left ring halves,
with

Figures 4, 5, 6 and 7. Laryngeal cavities, ventral or lateral view.

Figures 8 and 9, lateral views, viewed as lateral. Chert

Figures 10 and 11. Maximal grasp

ing forceps, vertical or lateral.
Forceps only, each, \$2.00; with
cannula, each _____.

One causal link is necessary for 10 and 11. Also one causal link is needed for 1 and 2 or 3 or 4 or

Order's, for use on 14540001 card

unpro. Landers Co. without results....

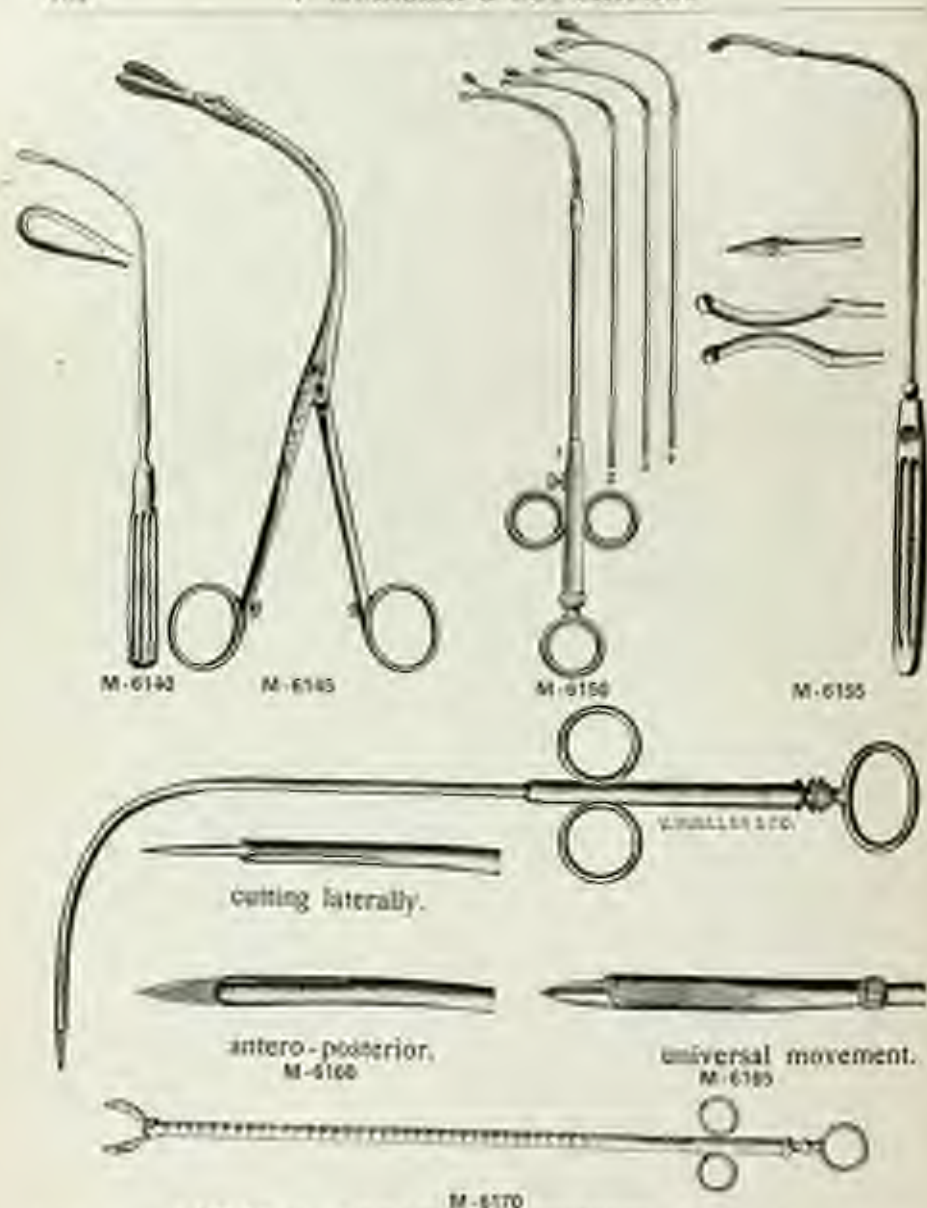
cigarettes are actual size. We rean-

1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26



11-05

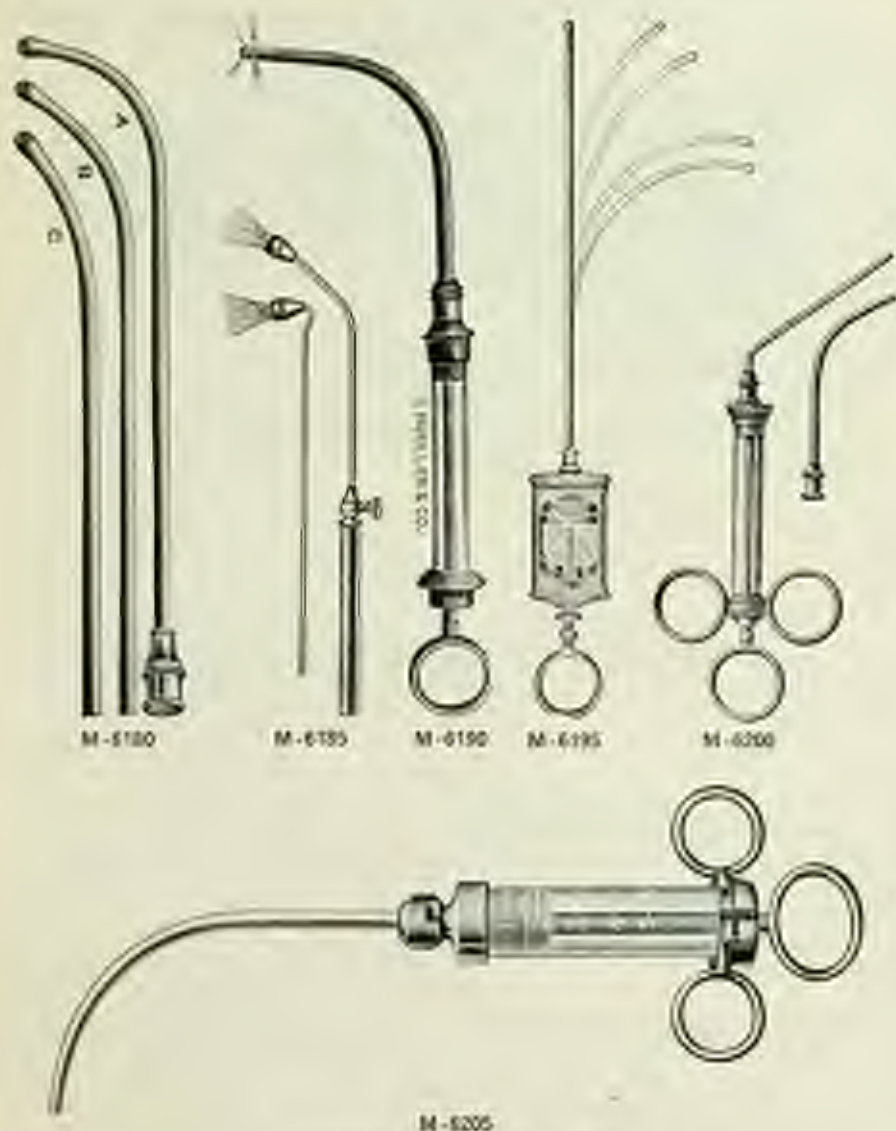
Mezco Laryngent cassettes, Cord's, for use on laryngent masks (figure 1, made in five sizes, A, B, C, D, and E. Cassettes without cannula and without universal handle, each.....	1.00
Figure 1, double cassette, Laryngent, without cannula.....	3.25
Figure 2, double cassette, Laryngent, without cannula.....	6.50
Cassette Figure 3 for use with cassettes A, B, C, D, E, F, G, each.....	2.50
Illustration of Cord's cassettes are actual size. We recommend them to our customers in preference to Figure 3230, A, B, C, D.	



LARYNGEAL OPERATING INSTRUMENTS—Continued

M-6142	Laryngeal elevator, rectilinear or lateral, each	25 50
M-6143	Laryngeal grasping forceps, Lang's, antero-posterior	5 00
M-6150	Laryngeal rattle forceps, Morris-Bitens's, two sizes of hook, lateral and rectilinear, each	12 50
M-6155	Laryngeal elevator, three patterns, sharp pointed	1 25
	Each pointed, up or down cutting, each	1 00
M-6160	Curved elevator, Tenckhoff's, cutting laterally or antero-posterior blade, each	4 50
M-6165	Curved elevator, Tenckhoff's, with universal movement	5 25
M-6170	Forceps, Tenckhoff's, with spiral stem	4 50

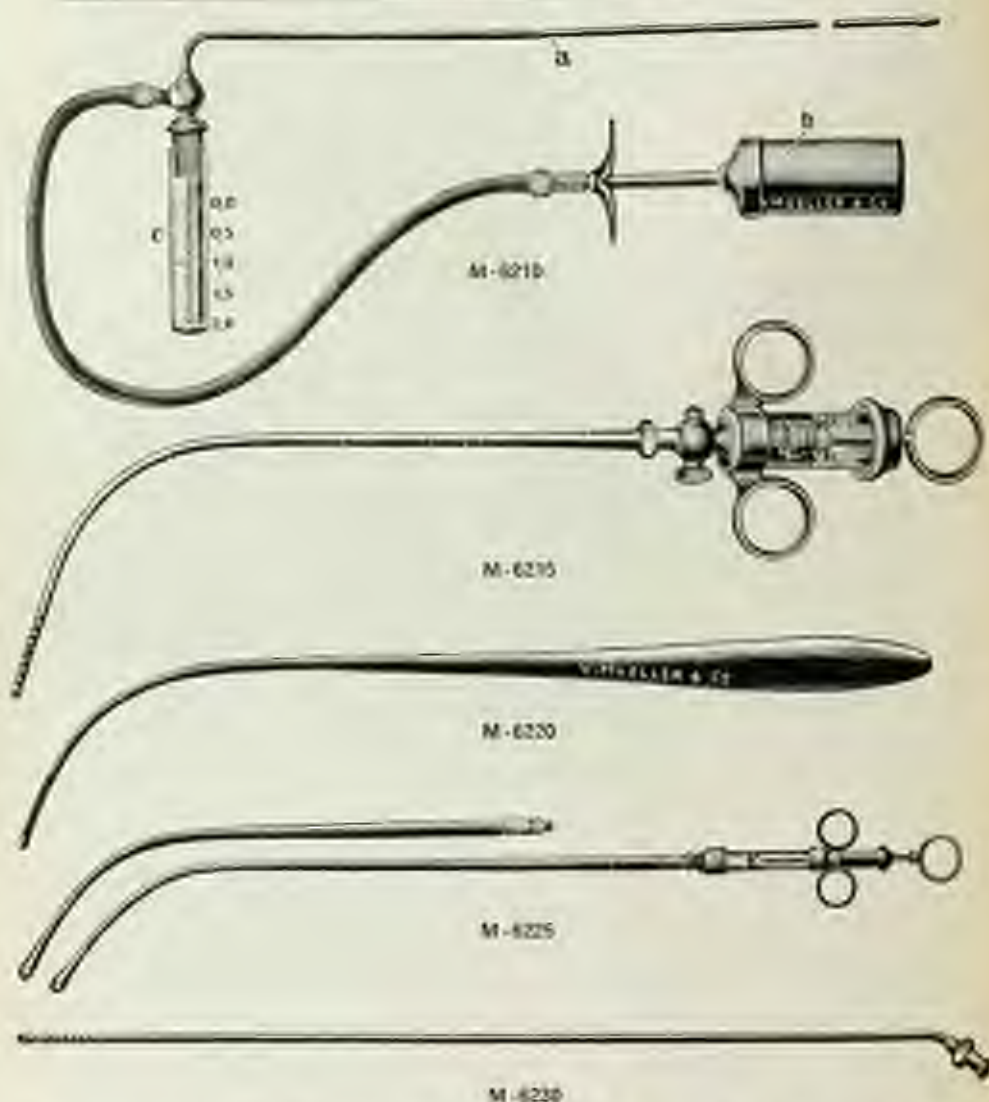
Do not mutilate catalogue.—Specify section letter and number in ordering.



LARYNGEAL SYRINGES, ETC.

M-6180	Laryngeal syringe, curved, different curves, Rogers A, B, and C. Made of pure silver, 4000	\$11.25
M-6181	Laryngeal syringe, Wagner's, two wire stems, one T-shaped handle and twelve bristles hard rubber mounted. Set complete	2.50
M-6182	Laryngeal syringe, Toboody's, hard rubber mounted	1.25
M-6183	Laryngeal syringe, made entirely of metal with long flexible cannula	2.50
M-6184	Laryngeal and nasal syringe, Frankel's, hard rubber mounted	2.00
M-6185	Laryngeal syringe, Emond, ground metal piston and glass barrel	5.75

Do not mutilate catalogue—Specify section letter and number in ordering



INSTRUMENTS FOR ANAESTHETIZING THE LARYNX AND BRONCHIAL TUBES, ETC.

M-6215	Atmospheric, Brannan's, for use through laryngeal specula, bronchoscopes, etc.	\$2.45
M-6220	Syringe, Downing's, forced type, for anaesthetizing the larynx with coils and adhesives.	7.50
M-6225	Syringe, Brannan's, forced, with pump point.	1.00
M-6230	Syringe, Downing's, for anaesthetizing the esophagus with straight and curved tubes.	5.00
M-6230	Syringe, Downing's, long, with applicator point for attaching coils.	1.00

Do not mistake catalogue.—Specify section letter and number in ordering.



OPERATING SETS OF LARYNGEAL, BRONCHIAL AND ESOPHAGEAL INSTRUMENTS

The instruments described below have been designated to us as necessary by the experts who talented and use them, in order to be prepared for any emergency that may present itself during an operation.

Instruments recommended by Dr. Christian Jackson at Pittsburgh, Pa.

- 1 laryngeal specula, separable, adult's size.
- 1 laryngeal specula, separable, child's size.
- 1 tracheoscope, 5 mm. by 24 cm.
- 1 tracheoscope, 1 mm. by 20 cm.
- 1 tracheoscope, 5 mm. by 20 cm.
- 1 tracheoscope, 5 mm. by 40 cm.
- 1 tracheoscope, 5 mm. by 45 cm.
- 1 esophagoscope, 7 mm. by 45 cm.
- 1 esophagoscope, 10 mm. by 50 cm.
- 1 handle and 2 forceps for foreign bodies (two lengths).
- 1 Coultage's sponge holders with Jackson's long collar.
- 1 foreign body hooks (two lengths).
- 1 foreign body probe.
- 1 aspirator complete, with two tubes.
- M-407. Complete outfit put up in roll, as illustrated at top of page.
- M-408A. Jackson-Hartley tracheoscopes battery, with two independent circuits.

Instruments recommended by Dr. W. Brunsz, of Vienna, Germany.

- 1 Brunsz's electroscopes, cable and extra lamp.
- 1 Brunsz's extension tubes.
- 1 extension tube for esophagocopy with 12 mm. tube.
- 1 esophageal spatula for adults and children.
- 1 aspirating spatula.
- 1 aspirator complete, with two tubes.
- 1 mandrill or dilator, for large extension tubes.
- 1 Brunsz's extension forceps with five different tips.
- 1 Kistner's atlantic forceps (two lengths with one handle).
- 1 hooks for foreign bodies (two lengths).
- 1 probes for foreign bodies (two lengths).
- 1 Brunsz's sponge holders, double ended.
- M-407. Complete outfit put up in roll, as illustrated at top of page.
- M-408A. Socket current controller for illuminating Brunsz's electroscopes.

Instruments recommended by Dr. Otto Kahler, of Vienna, Austria.

- 1 Kahler's tracheoscopes, extra lamp and cable.
 - 1 Brunsz-Kahler extension tubes.
 - 1 extension tube for esophagocopy with 12 mm. tube.
 - 1 Kahler or Brunsz's extension forceps with five different tips.
 - 1 aspirator complete with two tubes.
 - 1 esophageal spatula for laryngocopy.
 - 1 aspirating spatula for laryngocopy.
 - 1 Coultage sponge holders.
 - 1 foreign body hooks (two lengths).
 - 1 foreign body probes (two lengths).
 - M-407. Complete outfit put up in roll, as illustrated at top of page.
 - M-408A. Socket current controller for illuminating Kahler's tracheoscopes.
- These sets of instruments are regularly carried in stock for immediate delivery.



M-6255



M-6265



M-6260



M-6270

BRONCHOSCOPIC BATTERY, BOOKS ON BRONCHOSCOPY, ETC.

- M-6255 Treatise on Bronchology, Esophagology and Gastroscopy, by Chevalier Jackson, M. D., Int. \$1.00
- M-6260 Illustration from Dr. Jackson's book, showing how patient's head should be held for the introduction of the laryngeal speculum, bronchoscope and esophagoscope.

M-6265 Bronchoscopic Battery, Jackson's.

This battery has been designed for supplying currents of proper volume and reliably controllable, to the various forms of bronchoscopes, esophagoscopes and in fact all instruments for stimulating the cord.

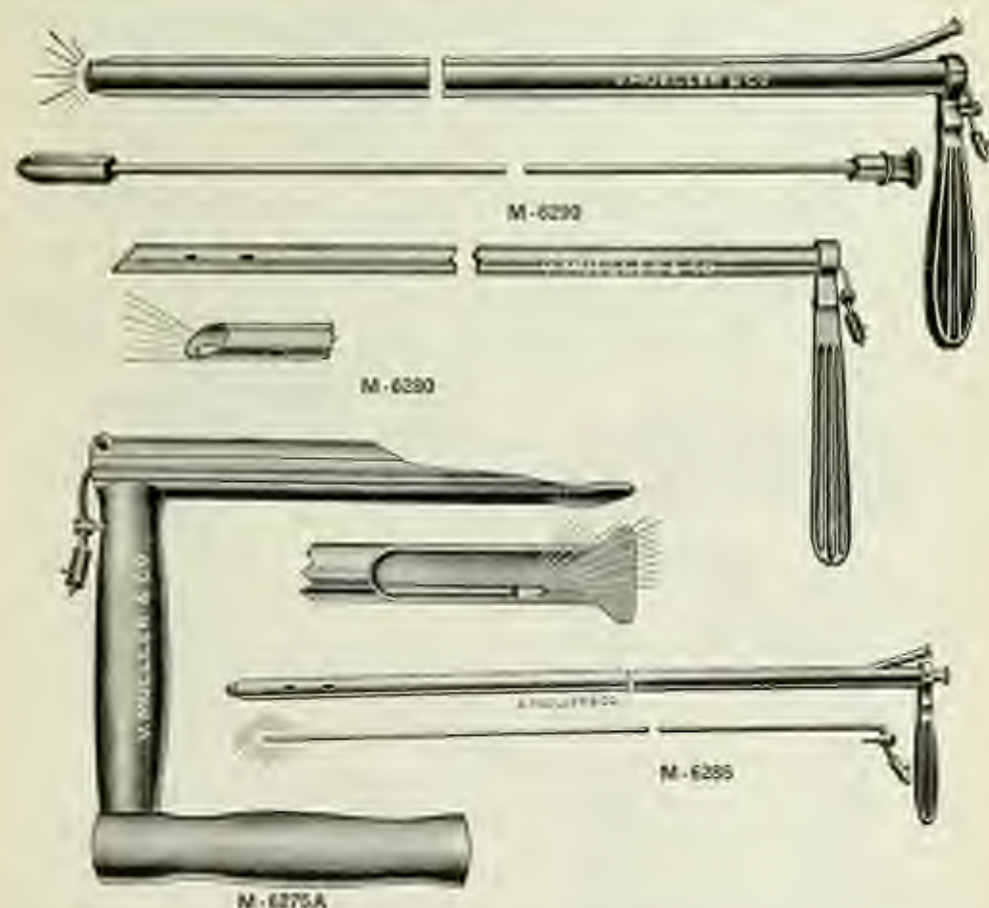
It is the result of a great deal of experience on the part of Dr. Jackson and all of the objectionable features which have been found in previous portable batteries have been overcome.

It is so arranged that current is supplied from two separate circuits. The advantage is such an arrangement is that if the laryngeal speculum is being used, the bronchoscope or esophagoscope, with its independent excitation lamp, may be introduced without making any change of connections. Again both circuits may be combined into one for illuminating larger lamps, than those used with the Jackson instruments.

The construction is of the highest order, the switch being made with a spring control plunger, thus preventing the possibility of current failing to pass due to poor contact at the switches. Eight No. 1 standard dry cells are used and these are always purchased locally. All connections to the cells are supplied with protected connectors. Case is of quarter sawed oak, highly polished.

Price, without cells, set \$10.00

M-6265 Illustration shows top of Jackson battery in detail.



INSTRUMENTS FOR DIRECT TRACHEO-BRONCHOSCOPY AND ESOPHAGOSCOPY

M-6272	Laryngeal specula with removable slide, Jackson's, adult size 14 mm. by 31 cm.	\$18 00
M-6273A	Laryngeal specula with removable slide, Jackson's, children's size 11 mm. by 31 cm.	25 00
M-6292	Bronchoscope, Jackson's, made in two sizes, 4 mm. by 36 cm. and 5 mm. by 36 cm.	25 00
M-6293	Bronchoscope, Jackson's, for cases of excessive secretion and for drainage of lung abscesses with auxiliary drainage tube. Made in three sizes, 5 mm. by 36 cm., 7 mm. by 41 cm., 9 mm. by 46 cm.	21 00
M-6294	Esophagoscope, Jackson's, made in two sizes, adult, 15 mm. by 42 cm.	11 00
M-6295	Child's, 7 mm. by 41 cm.	11 00
All esophagoscopes have auxiliary drainage tubes. Bronchoscopes, figure 6292, can be furnished with the Dickinson anasthetizing attachment, price extra 1.00		
M-6296A	Tracheoscope (not illustrated) 1 mm. by 36 cm.	5 00
	5 mm. by 41 cm.	5 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-6295



M-6300

ILLUMINATING APPARATUS FOR DIRECT LARYNGOSCOPY BRONCHOSCOPY, ETC.

M-6295 Electrocope, Hirschberg's No. 1, latest model, for use in connection with laryngoscopy, bronchoscopy and esophagoscopy tubes.

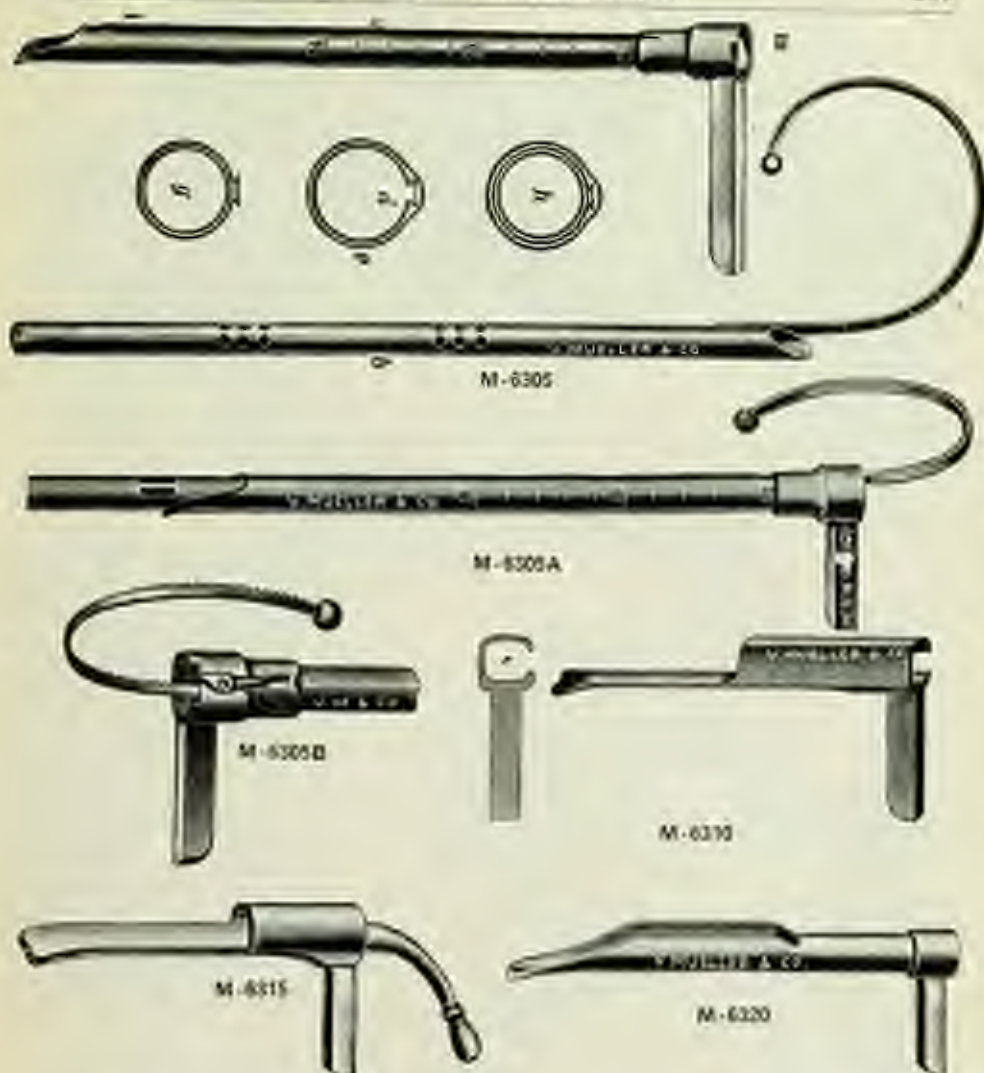
This new model has several superior features over the earlier forms of the Hirschberg electrocope, principal of which is the one permitting the free use of forceps and other operating instruments without in any way disturbing the lighting system. This is accomplished by means of a unit in the mirror, which transmits the light by reflection from the lamp to the end of the tube.

The plan of supplying the light in this manner overcomes the difficulty some times experienced on account of blood and mucus covering the lens when it is used inside of the tube.

M-6300 Electrocope, Hirschberg's No. 2.

The illuminating apparatus of this instrument is constructed along the same lines as the No. 1 electrocope, but differs in the handle, as in this case the handle is thrown forward toward the operator, making it more convenient in case the electrocope is to be used for various purposes, such as, proctoscopy, sigmoidoscopy, esophagoscopy and gastroscopy. It will therefore appeal to the general surgeon, being adapted to a greater variety of cases.

These instruments are constantly carried in stock for immediate delivery.



BRONCHOSCOPES, ESOPHAGOSCOPES, AND LARYNGEAL SPATULA

- M-6200 Parts of Browning's extension bronchoscope and esophagoscope, used in connection with Fessenden's endoscope. Made in two sizes.
 M-6200A Illustrating Browning's bronchoscope partly extended.
 M-6200B Illustrating locking device. This is especially valuable on the esophagoscopes, as it prevents the extension tube from being pushed up by the spasms and closing of the esophagus.
 M-6210 Open spatula, Browning's, for small children and infants.
 M-6215 Station spatula, Browning's, for infants and small children.
 M-6220 Anoscope spatula, Browning's, made in two sizes, children's and adult's.
 Prices furnished on application.

THESE INSTRUMENTS ARE REGULARLY KEPT IN STOCK FOR IMMEDIATE DELIVERY.

Do not mistate catalogue.—Specify section letter and number in ordering.



M-6337



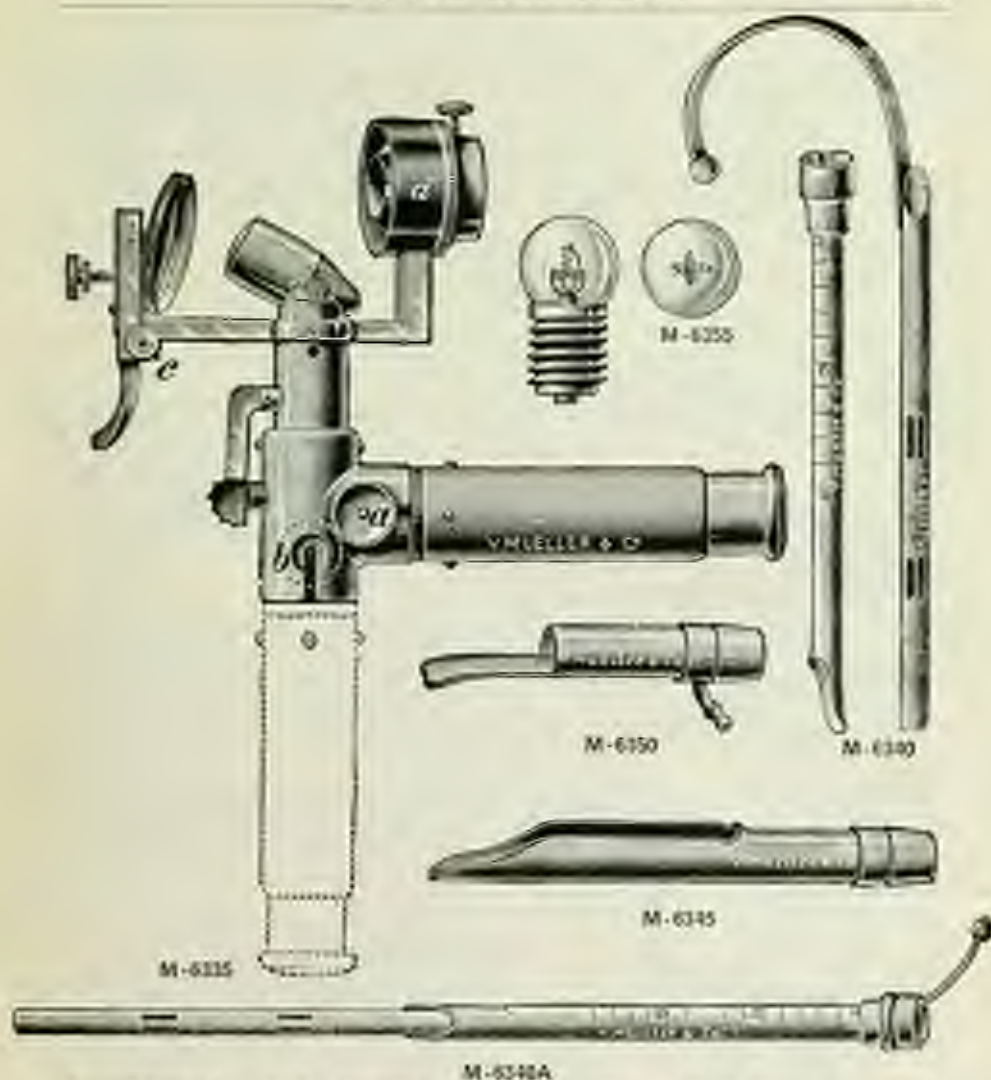
M-6330A



M-6325

BOOKS ON DIRECT LARYNGOSCOPY, ETC.

- M-6325 *Laryngoscopy, Bronchoscopy and Esophagoscopy* by W. Bruns, Ph.D., M.D. German text, net..... \$4.50
English translation of Dr. Bruns' book is in preparation.
- M-6326 Illustration from Dr. Bruns' book showing the use of instruments with patient in recumbent position.
- M-6328 Illustration from Dr. Bruns' book showing the use of instruments with patient in sitting position.



INSTRUMENTS FOR DIRECT LARYNGOSCOPY, BRONCHOSCOPY AND ESOPHAGOSCOPY

M-6340 Letter's Parachroscope modified by Kahler.

This Electroscope is so arranged that it may be easily adapted for operating with the patient sitting upright or in a horizontal position by merely changing the handle from "A" to "B". The light from the Tungska lamp is sent through a condenser lens onto a parabolic mirror reflector "C" thence to the bottom of the tube through the opening "D".

In introducing instruments the mirror may be thrown backward leaving a free opening by pressing upon the lever at the point "C". A convenient switch controls current passing to the lamp.

M-6340 Parts of extension tube, Hirschman's, fitted for the above electroscope. These tubes are made in five sizes, 5, 8, 10, 12 and 14 mm. diameter.

M-6340A Illustrating parts of extension tube combined and partly extended.

M-6341 Anoscopic spatula, Hirschman-Kahler.

M-6342 Anoscopic spatula, Hirschman-Kahler, with motion attachment.

M-6343 Tungska lamp for Larynx-Kahler Electroscope.

THESE INSTRUMENTS ARE REGULARLY KEPT IN STOCK FOR IMMEDIATE DELIVERY. PRICES FURNISHED UPON APPLICATION.

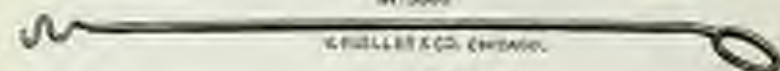


M-5360

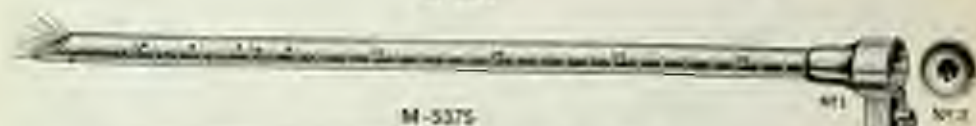
V. MUELLER & CO., CHICAGO

M-5365

V. MUELLER & CO., CHICAGO



M-5370



M-5375



M-5380



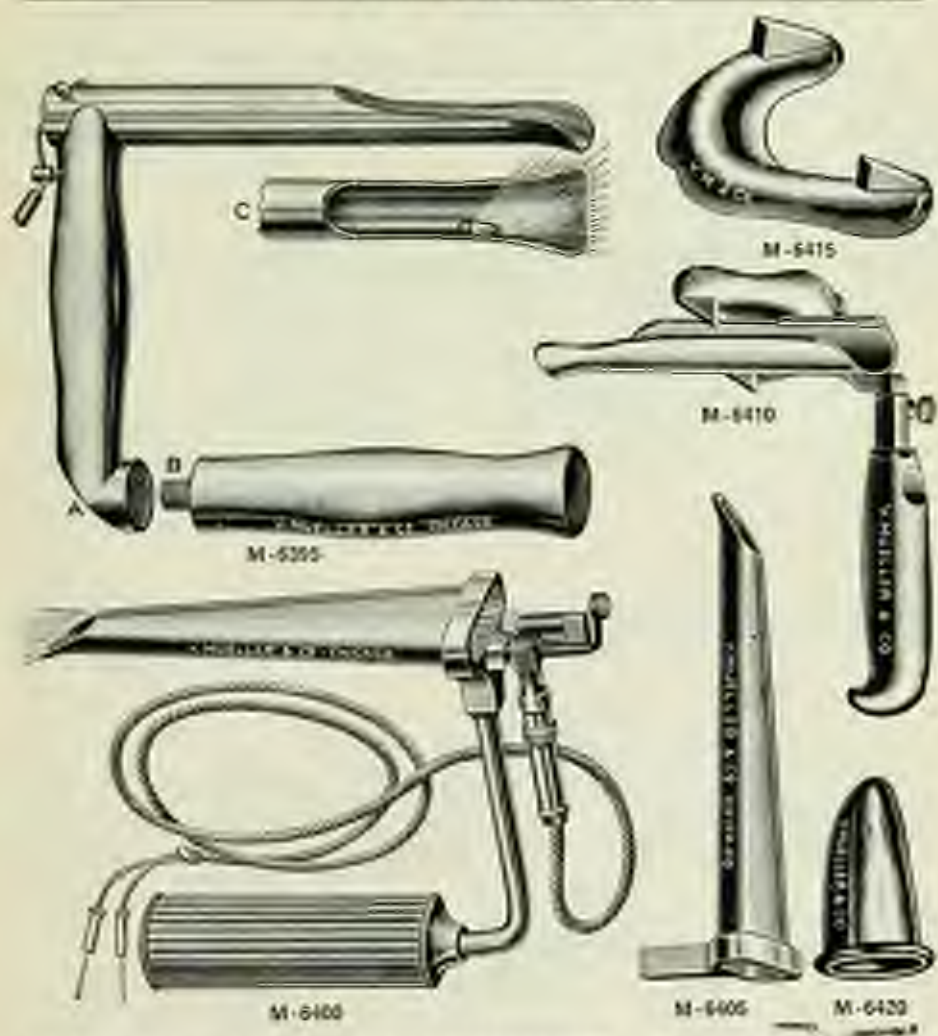
M-5385

M-5390

INSTRUMENTS FOR DIRECT LARYNGOSCOPY, BRONCHOSCOPY AND ESOPHAGOSCOPY—Continued

- M-5390 Bronchoscope or esophagoscope, Kussak, with perforated vibrator as suggested by Dr. Ingle. For use with Dymally's electroscopes. According to size and length, each \$4.50 to \$5.50
- M-5391 Tubular director, Ingle's, for introducing bronchoscope. Two sizes, each 1.50
- M-5392 Pin holder, Ingle's, improved model. 1.50
- M-5393 Bronchoscope, Ingle's, latest model, with Ingle's auxiliary channel for light carrier. The open feature permits of clearing the channel of mucus and blood. Made in two sizes. Children's, \$11.00; adults' 12.00
- M-5394 External handle, for bronchoscope and esophagoscope. 7.50
- M-5395 Laryngeal speculum, Ingle's, without slide, for the examination of the larynx and the introduction of bronchial tubes, etc. Made in two sizes. With light carrier and one extra lamp, each 12.00
- M-5396 Triangular tracheating tube, Moehrs's, for papilloma of the aryepiglottic fossa. 15.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



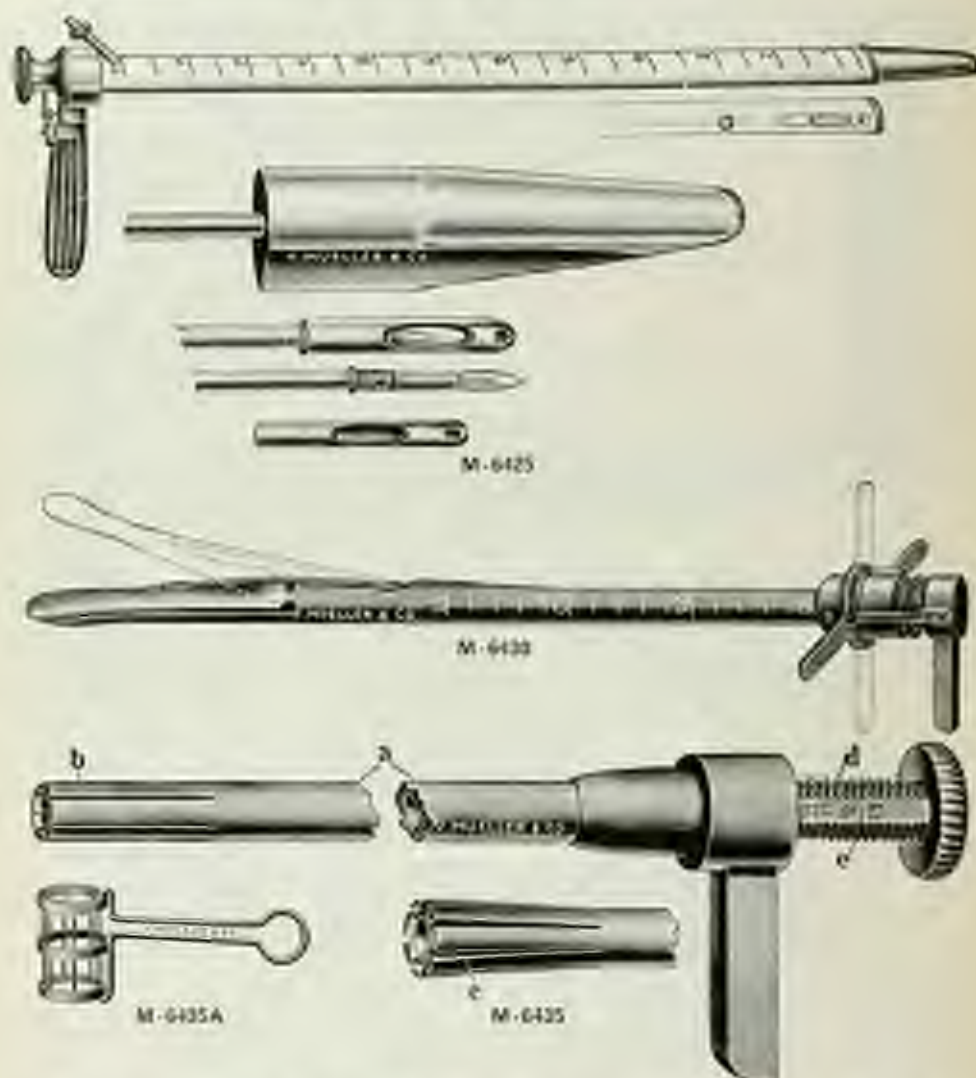
INSTRUMENTS FOR DIRECT LARYNGOSCOPY, BRONCHOSCOPY AND ESOPHAGOSCOPY—Continued

- M-6355 Laryngeal specula, Jackson's, modified by Dr. E. H. Jackson, so handle can be removed for use with patient in sitting position. \$15.00
 M-6400 Binocular direct laryngoscope, Yankauer's, with individual electric light. 25.00
 M-6405 Binocular direct laryngoscope, Yankauer's, for use with the Hirschman electro-scope. 3.50

The Yankauer laryngoscopes are made of steel and will not be dulled by the patient's teeth.

- M-6400 Open specula, Mackey's, for direct inspection of the larynx and the mouth, the esophagus and direct intubation. Two sizes, each, with handle. \$1.00
 M-6415 Tooth guard and mouth gag, Mackey's, for use with open specula. Three sizes. 1.50
 N-6400 Mouth gag or bite block, Dolan's. 1.50

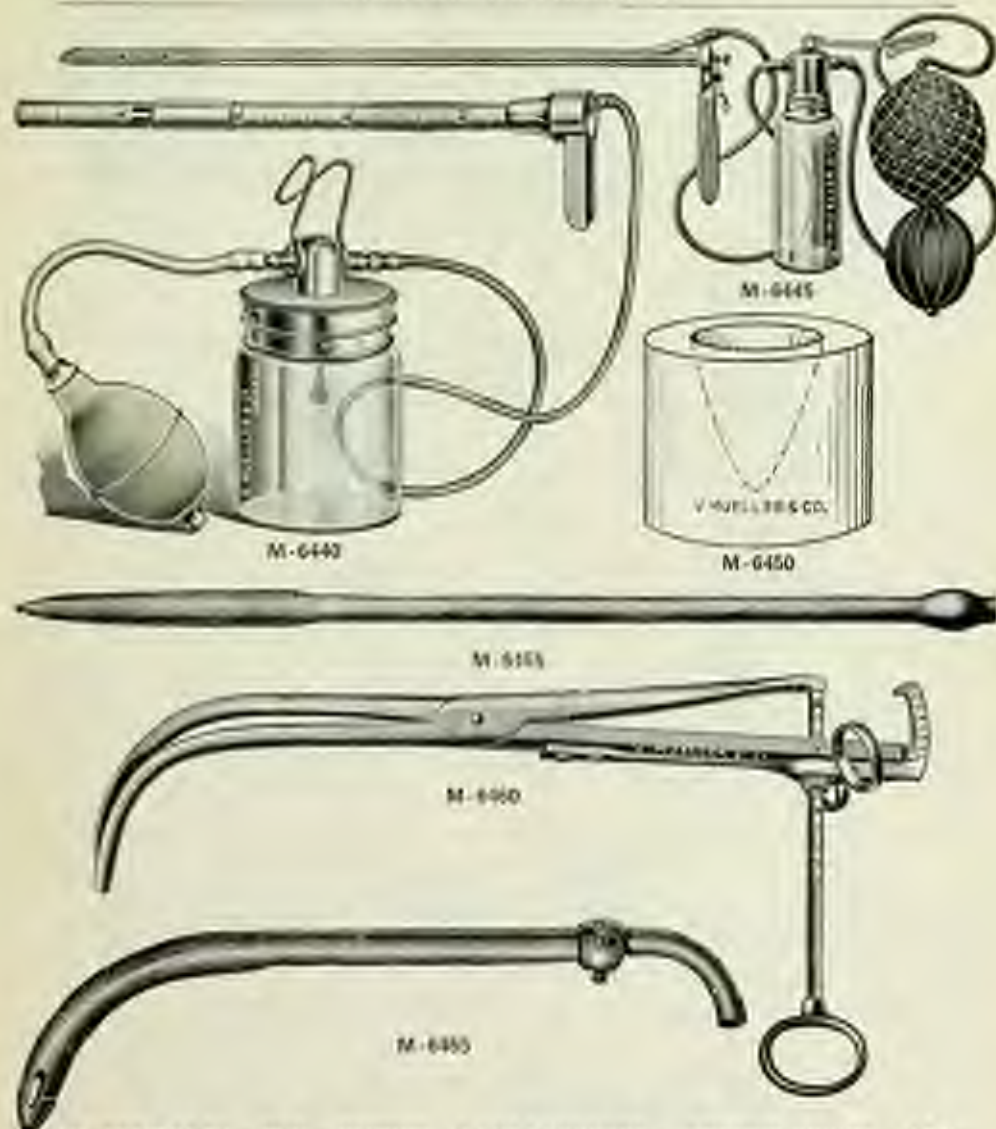
Do not mutilate catalogue.—Specify section letter and number in ordering.



INSTRUMENTS FOR DIRECT LARYNGOSCOPY, BRONCHOSCOPY AND ESOPHAGOSCOPY.—Continued

- | | | |
|---------|---|---------|
| M-6425 | Esophagoscope, Mosher's oval, with hollowing attachment and light carrier with protected lamp. These short, each | \$25.00 |
| M-6433 | Esophagoscope, Bruns's, dilating for use in cases of intubated foreign bodies, is provided with Bruns's electroscop | \$7.00 |
| M-6435 | Hollowing dilator and bronchoscope, Bruns's, for retracting foreign bodies in cases of larynx and edema | \$8.00 |
| M-6435A | Chloroform mask, Bruns's, for use in connection with laryngoscope, etc. | \$2.00 |

Do not mislabel catalogue.—Specify section letter and number in ordering.

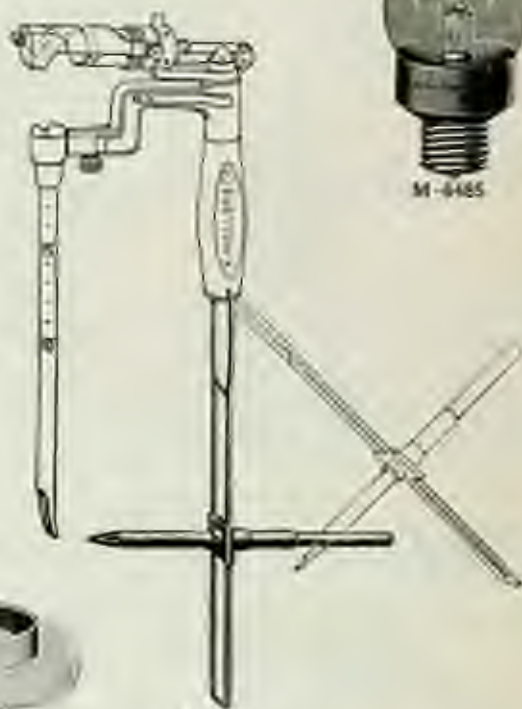


INSTRUMENTS FOR DIRECT LARYNGOSCOPY, BRONCHOSCOPY AND ESOPHAGOSCOPY—Continued

M-6440	Anesthetizing inhaler, Yankelevich's, for use with bronchoscopes and esophagoscopes	\$18.00
M-6445	Anesthetizing inhaler, converted by Jackson's anesthetizing bronchoscopes. Inhaler only, with bulb and tubing	5.41
M-6450	Jackson's bronchoscopes with Yankelevich's anesthetizing attachment 4 mm. by 30 cm., 10 mm. by 5 mm., by 30 cm., 10 mm. by 7 mm., by 40 cm., 12 mm. by 40 cm.	22.00
M-6455	Forceps, Yankelevich's, for esophagus	30
M-6460	Mandrin or dilatator, Smith's, for use with Jackson's esophagoscopes and adult's bronchoscopes	1.75
M-6465	Dilator, Friedman's, for upper esophagus. The amount of dilatation, and the amount of pressure used are indicated on separate scales	21.00
M-6465	Isolating tube, Schreiner's for laryngeal stenosis. Made in sizes 30, 32, 36, 38, 42 and 44. Other sizes to order only. Each	1.00



M. 6470



M. 6475



M. 6485

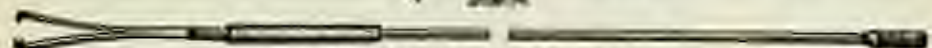
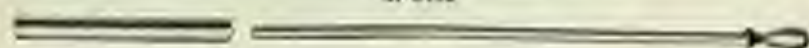
INSTRUMENTS FOR DIRECT LARYNGOSCOPY, BRONCHOSCOPY AND ESOPHAGOSCOPY.—Continued

- M. 6408 Phantom, Killian's, for positioning laryngoscopy, bronchoscopy and esophagoscopy. Net \$20.00
- M. 6474 Cardiograph, Brunsing's, can be attached to Brunsing's electrocope, as illustrated. 2.75
- M. 6409 Counter pressure apparatus, Brunsing's, (Gegendrücken) for use in anatomy in adults and children. 10.00
- M. 6480 Lamp, especially designed for use with Brunsing's electrocope. Net 1.25

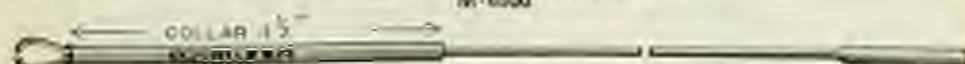


M. 6480

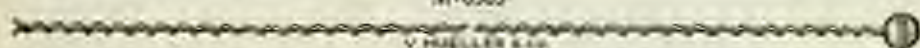
Do not mutilate catalogue.—Specify section letter and number in ordering.



V. MUELLER & CO. CHICAGO
M-6150



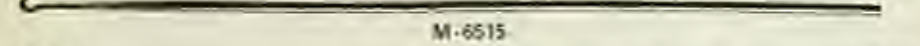
M-6150



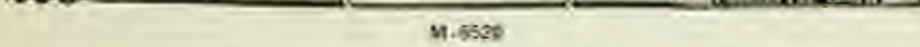
M-6150



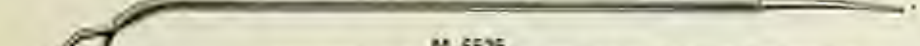
M-6150



M-6150



M-6150

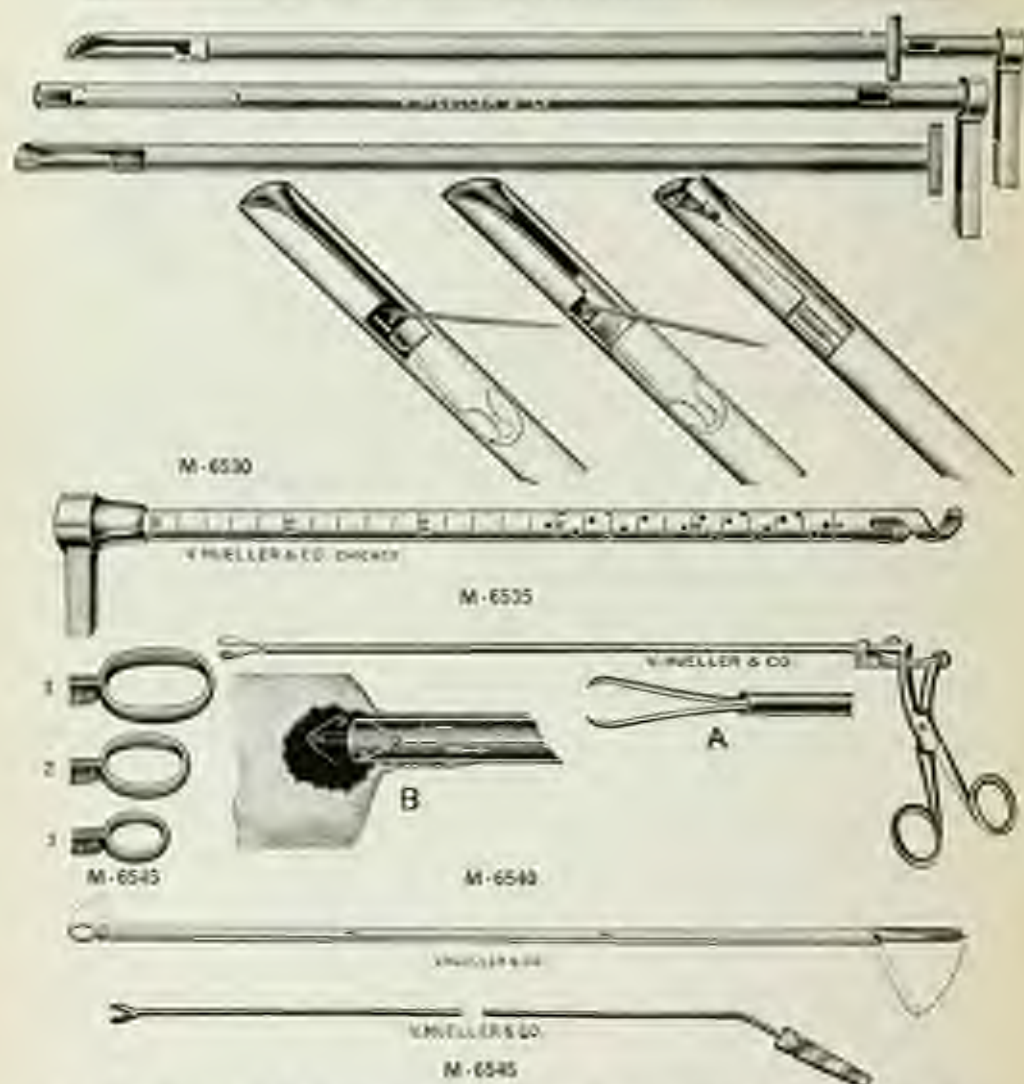


M-6150

INSTRUMENTS FOR DIRECT LARYNGOSCOPY, BRONCHOSCOPY AND ESOPHAGOSCOPY—Continued

M-6150	Aspirator for blood and mucus, Brounig's, with two tubes.....	\$4.00
M-6150	Aspirator, Jackson's, with two tubes, pump entirely of metal. Complete.....	12.00
M-6150	Aspirator, V. Mueller & Company's, similar to Spurr's, page 181, with two tubes.....	9.00
M-6150	Sponge holder, Condit's, for bronchoscopy and esophagoscopy, each.....	1.00
M-6150	Sponge holder, Jackson's, with elastic collar. Made entirely of steel. The long collar prevents being caught at the bottom of the tube.....	1.25
M-6150	Sponge holder, Jackson's, of twisted wire. Double.....	1.00
M-6150	Foreign body probes and foreign body hooks. Made in two lengths, each.....	1.00
M-6150	Foreign body screw, Richardson's, serviceable for extracting sea-bird foreign bodies.....	1.00
M-6150	Gastroscope, electrode laryngoscope, Jackson's, for use through laryngeal apertures.....	2.00

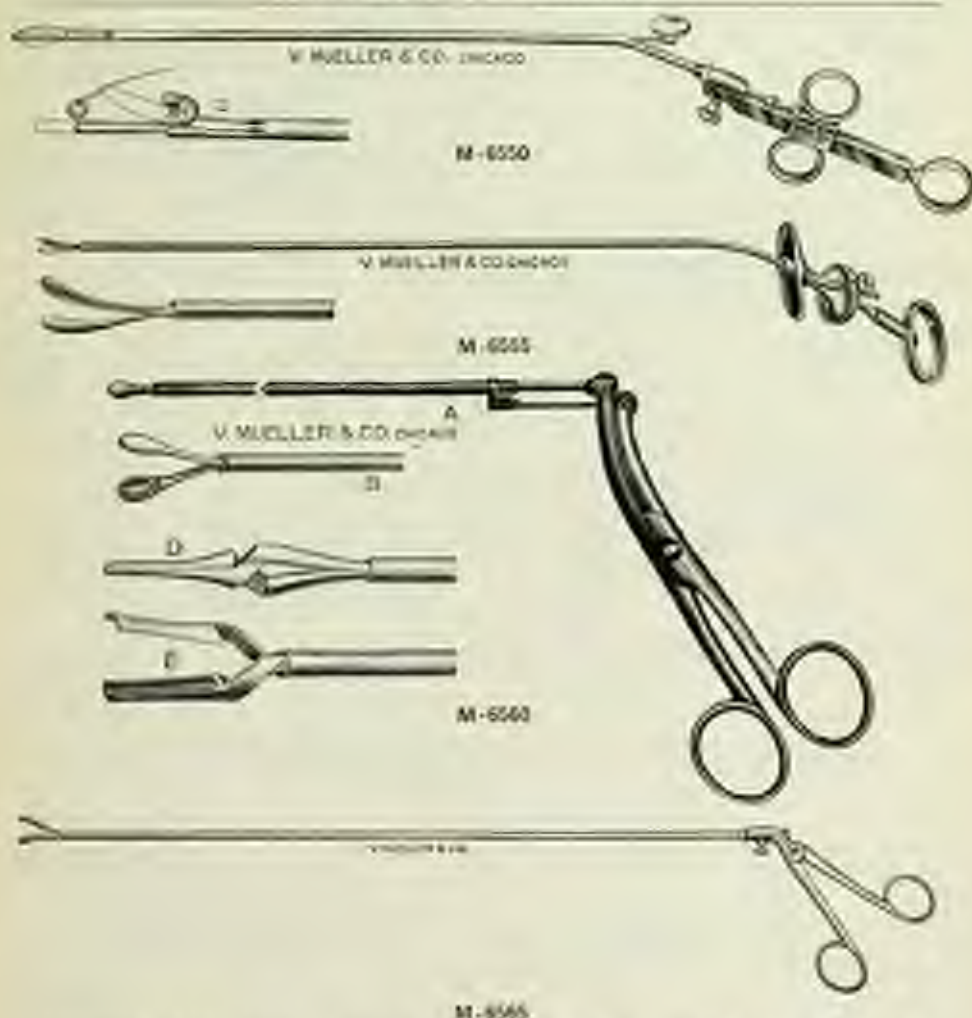
Do not mutilate catalogue.—Specify section letter and number in ordering.



INSTRUMENTS FOR DIRECT LARYNGOSCOPY, BRONCHOSCOPY AND ESOPHAGOSCOPY—Continued

- M-6530 Tube, Moebius's, for closing and removing open safety pins. Also adapted for glass larynx or ordinary bronchus pins. Disinfects for manipulating acromioclavicular joint. Price \$10 00
- M-6535 Tube, Moebius's, for pulling and extracting pins. In Moebius's and Dr. Jackson's pin extracting tubes are arranged for use with Broome's laryngoscope. Price \$10 00
- M-6545 Forceps, Jackson's, for grasping and pulling open safety pins in the stomach for removal. A illustrates point of forceps. B illustrates method of procedure. Forceps complete. Price \$10 00
- M-6540 Safety pin clasp, Jackson's, made in form also as illustrated. Complete with instrument for pulling pin into ring. Price \$10 00

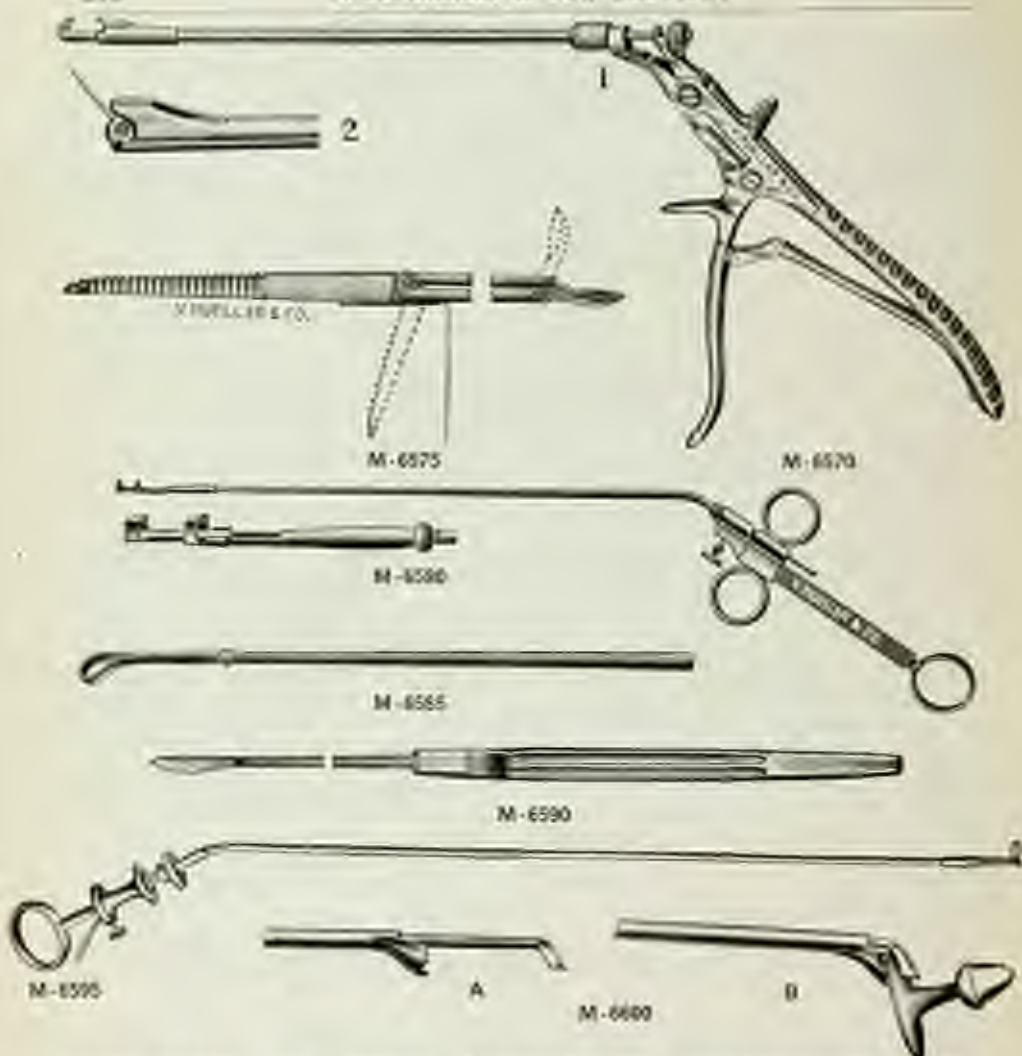
Do not mutilate catalogue.—Specify section letter and number in ordering.



INSTRUMENTS FOR DIRECT LARYNGOSCOPY, BRONCHOSCOPY AND ESOPHAGOSCOPY—Continued

- M-6550 Instruments for closing and extracting safety pins, Hübner's, made in two lengths, 14 and 16 inches \$2.50
- M-6555 Forceps, Bagule's, for applying cotton sponges through laryngoscopes 8.50
- M-6560 Tube forceps, Jackson's, latest model very slender, 20 cm. long, \$9.00; 26 cm. 15.00
- Figure B illustrating correct use of tube and jaws of forceps.
- M-6560B Dilator, Jackson's, small for bronchoscopic strictures, \$9.50; without rubber handle 1.00
- M-6560C Dilator, Jackson's, large for bronchoscopic strictures, \$9.50; without rubber handle 1.00
- These dilators can be used in connection with Jackson's tube oxygen mouth.
- M-6565 Tube forceps, Killian-Littre's, with dilator jaw for grasping foreign bodies, can be turned and set in every direction. Made in three lengths, 19 cm., 25 cm., 31 cm., 36 cm. 4.00

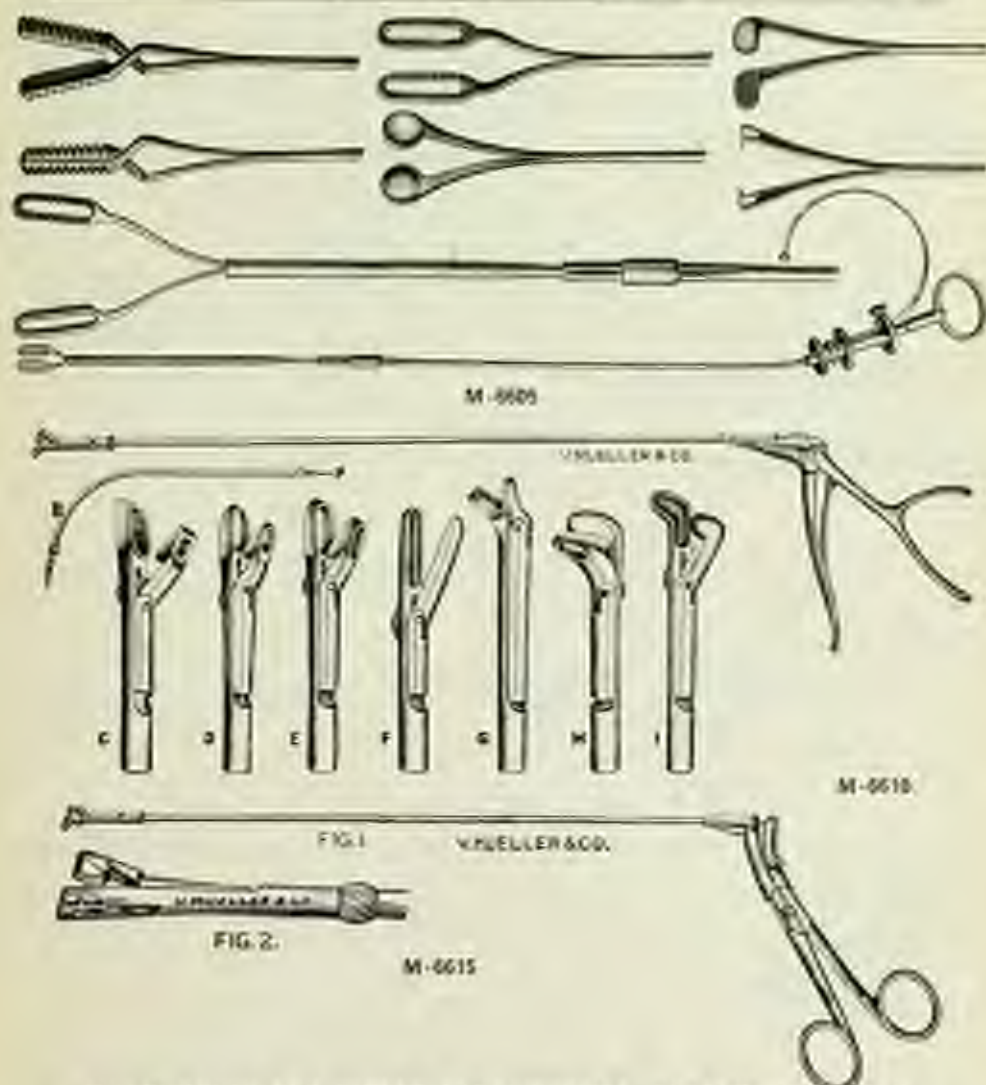
Do not mutilate catalogue.—Specify section letter and number in ordering.



INSTRUMENTS FOR DIRECT LARYNGOSCOPY, BRONCHOSCOPY AND ESOPHAGOSCOPY—Continued

M-6570	Bronchoscopic pin, cutter and fragment holder, Cassin's. The cutting blade of this instrument is inserted on one side and before using instrument one should be sure that the beveled side of the blade is on the side of the pin point, otherwise the instrument would not rotate the pointed fragment as indicated on the illustration. The blade is universal and can be turned and set in the position required.	\$3.00
M-6575	Mechanical spoon, or bone extractor, Jackson's.	1.00
M-6585	Laryngeal cutting forceps, Coe's, for use through Jackson's, Insull's, or any other direct laryngeal speculum. Cutting tip is reversible. First size. See figure M-6585, page 221. Forceps with one tip.	12.00
M-6590	Laryngeal forceps, Brömmel's, reversible, with handle bent on angle, each.	1.00
M-6595	Laryngeal knife, Jackson's.	1.00
M-6600	Laryngeal knife, Brömmel's.	1.00
M-6605	Bellows forceps, Brömmel's, with handle like figure 630.	5.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



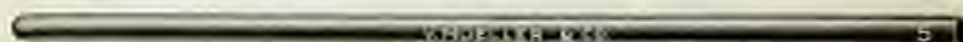
INSTRUMENTS FOR DIRECT LARYNGOSCOPY, BRONCHOSCOPY AND ESOPHAGOSCOPY—Continued

- M-5505 Tube forceps, Broom's, for laryngeal, bronchial, and esophageal work, with five attachments for grasping, cutting, etc. \$25.00
 These forceps can be extended to any length that may be required. The shaft and grasping blades are very slender and can be employed through the smallest tube.
- M-5510 Universal forceps, V. Mueller & Company's, for laryngeal, bronchial and esophageal work. With one tube 20 cm., 40 cm., 60 cm., 80 cm., 100 cm., and one Jackson cutting tip with basket to hold debris. \$15.00
- M-5505A Cutting tips, Jackson's, for laryngeal, bronchial and esophageal work. Figures C, D, E, G, and H, all cutting tips have basket like figure 2, each. 7.50
 Figures F and I, cutting as illustrated or serrated for grasping purposes, each 5.50
- M-5505 Cutting forceps, Jackson's, with minor handle for laryngeal, bronchial and esophageal work. Made in two lengths, 40 cm. and 54 cm. long. With saw-cutting tip, figure 2, or any of those described under 5505A. 12.50
 All cutting and grasping tips are reversible.

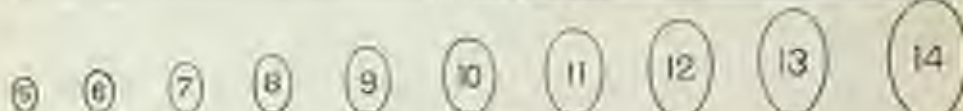
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M-6620



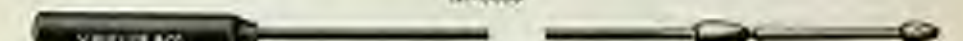
V. MUELLER & CO., CHICAGO



M-6625



M-6630



1/2 SIZE



M-6635



M-6640



V. MUELLER & CO., CHICAGO

M-6645



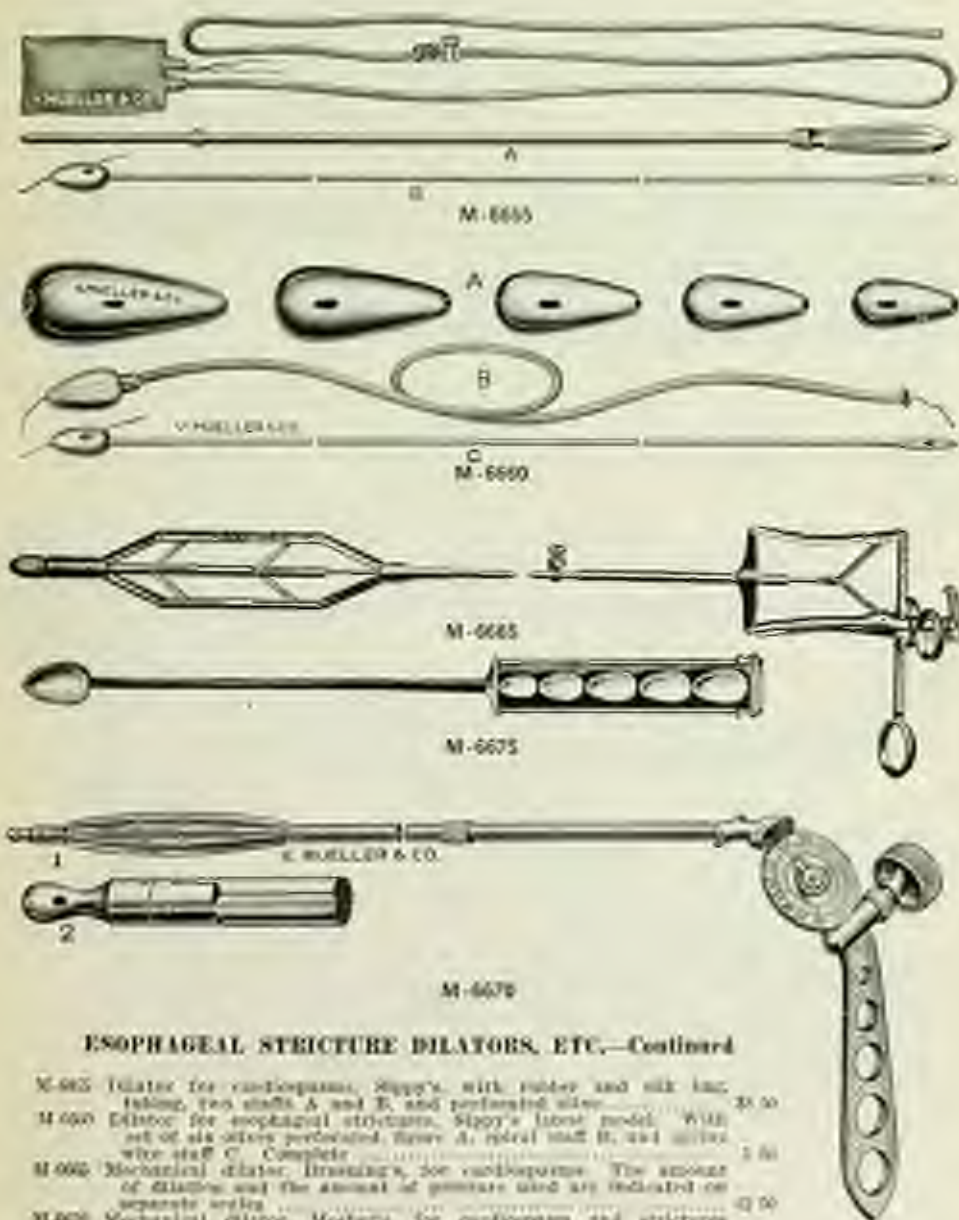
V. MUELLER & CO., CHICAGO

M-6650

ESOPHAGEAL STRICTURE DILATORS, ETC.

M-6620	Dilating bougie, for stricture of the esophagus. Sizes 20 to 28 French, each.....	\$1.25
	Sizes 28 and 30, each.....	2.50
	These bougies are made in even numbers only.	
M-6625	Telling bougie for stricture of the esophagus, McKendall's type, with, in glass, 0 to 24 English scale; 2 to 8, each. 12 to 14, each.....	1.50
	Bougies described under No. 6620 and 6625 are made of English Iron and S-silver.	
M-6630	Dilating bougie for stricture of the esophagus. Wheeler's, modified by Jackson. Made in eight sizes, each.....	1.00
M-6635	Esophageal dilator, Plummer's, with set of 12 metal wires, and spiral tip. Six wires are perforated from the front to the side for the purpose of passing same over silk thread. Order complete.....	7.00
M-6640	Apparatus for dilating cardiophagus, Plummer's. With pressure glass, water connection, tubing, dilating bag, and set of metal dilators.....	20.00
M-6645	Esophageal stricture probe, Jackson's.....	1.50
M-6650	Stricture cutting esophageotome, Jackson's.....	2.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



ESOPHAGEAL STRICTURE DILATORS, ETC.—Continued

- M-6655 Dilator for cardiospasm, Sippy's, with rubber and silk inc. tubing, two shafts A and B, and perforated wire..... \$3.50
- M-6659 Dilator for esophageal strictures, Sippy's latest model. With set of six silver perforated dilators A, spiral shaft B, and spiral wire shaft C. Complete..... 1.50
- M-6665 Mechanical dilator, Hirschman's, for cardiospasm. The amount of dilation and the amount of pressure used are indicated on separate scales..... 2.00
- M-6675 Mechanical dilator, Meekers', for cardiospasm and strictures of the esophagus. The amount of dilation is indicated on a dial and the silver and distal end is perforated for the purpose of passing dilator over silk thread..... 6.00
- M-6676 Esophageal dilator and six wires contained in handle, with spiral metal wire..... 2.00
- With whalebone stem..... 1.00
- Dilator with whalebone stem is to be recommended in preference to the spiral wire stem.

Do not mutilate catalogue.—Specify section letter and number in ordering.



GASTROSCOPES

M-6580 Gastroscope, Kirsch's, with two flexible tubes, spiral rubber tipped obturator, mainly gum, cable and extra tubing, in case.....\$20.00

The Kirsch gastroscopic is an instrument for the examination of the stomach and is designed on the same plan as the Nitze cystoscope for the bladder, with the exception that the distal end is straight instead of curved as in a cystoscope.

The upper side of the instrument is flat and when the gastroscopic is introduced through the flexible tube a space for the passing of air is formed for the purpose of distending the stomach. When the stomach is distended with air, one can, with this instrument, examine the walls of the stomach in every direction for a distance of from 2 to 5 inches according to circumstances.

A flexible tube similar to a stomach tube with a spiral rubber tipped aspirator is first introduced and after withdrawing the obturator the gastroscopic is introduced through the flexible tube. This prevents injury to the esophagus from the passing of the instrument.

M-6585 Esophago-gastroscopic, Kirsch's, for examination and retrograde introduction of bougies for the purpose of dilating esophageal strictures. Complete with cable, extra tubing, dilating bulb, and silk bougie, in case.....\$25.00

Other gastroscopes now in the market, such as Foramin's, Hensley's, Loomis-Stiedt's, Sussman's, Beck's, etc., can be imported by us for our customers in the shortest possible time owing to our close connections with European manufacturers.

Do not mutilate catalogue.—Specify section letter and number in ordering.



GASTROSCOPES AND INSTRUMENTS FOR GASTROSCOPY

M-6685	Gastroscope, Murphy's, for use with Brunsen's gastroscope, with sliding window and bulb.....	\$12.50
	Without sliding window and bulb.....	5.50
M-6700	Gastroscope, Jackson's, with light carrier and light and auxiliary channel for aspiration. Made in two sizes: 18 mm. by 75 cm.....	\$12.00
	20 mm. by 80 cm.....	\$15.00
M-6705	Sponge holder, Jackson's, for use through gastroscope.....	1.50
M-6705A	External handle for sponge holder.....	.25
M-6710	Universal forceps, V. Mueller & Company's, with tube, 15 to 15-cm. long, and Jackson cutting tag with hook for the purpose of cutting and retaining specimens for microscopic examination.....	\$5.00
M-6715	Gastropharynx, Simpson's, for the transmission of the stomach.....	1.50
M-6720	Crystal glass cup, Dean's, for rinsing, etc.....	.50

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M-6725



M-6730



M-6735



M-6740



M-6745

M-6745A

STOMACH APPARATUS

M-675	Gastric tube, Tanaka's	\$2.50
M-676	Esophageal tube, Tanaka's, intra gastric	2.00
M-677	Intra gastric bag, Tanaka's, Thompson as illustrated	3.50
M-678	Esophageal set for stomach, Tanaka's, containing one silver stomach tube, three paracatheters, one glass rod, one pipette, one small glass bottle, one bottle Quinberg's solution	8.50
M-679	Intra gastric bag, Tanaka's	.50
M-680	Intra gastric bag, Tanaka's, improved	.50

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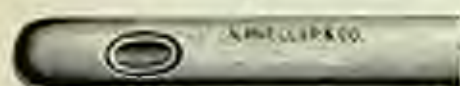
M-5750



A



C



B



M-6755

M-6760



M-6775



M-6765



M-6770

STOMACH APPARATUS—Continued

M-6750	Stomach tube, Twiss's latest, double.....	1 25
M-6755	Stomach tube, with bulb and funnel, with open end and side opening like figure A, or closed end and two side openings like figure B.....	1 25
M-6760	Stomach tube, with funnel, open end and side opening like figure A, or closed end and two side openings like figure B.....	2 00
M-6765	Stomach tube, Ewald's, 30 inches long.....	2 00
M-6770	Stomach tube, Ewald's, perforated, closed end, 30 inches long.....	3 75
M-6775	Stomach tube with bulb, Ewald's.....	2 00
M-6776	Stomach aspirator, Ewald's.....	4 00
M-6777	Diastolic spongy, Kishner's.....	4 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-6788



M-6785



M-6790



M-6795

STEAM ATOMIZERS

M-6788	Steam atomizer, V. Mueller & Co.	\$1.50
M-6785	Steam atomizer: Simplex, made in three sizes: No. 1, \$1.50; No. 2, \$2.00; No. 3, for business, \$3.00; No. 4, vaporizer, \$1.00	1.00
M-6790	Steam atomizer, Simplex, made of heavy brass nickel plated	2.00
M-6795	Thermovaporizer, Belling's. Complete as illustrated, set	30.00

The problem of reducing medicinal substances to a form so finely subdivided that they would reach the sensitive parts of the respiratory organs and in sufficient quantities to produce salutary effect upon the diseased structures by means of an inhaling apparatus independent of temperature and humidity, has been solved by Belling with his thermovaporizer. Complete description and directions for use accompany each apparatus.

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-6800



M-6805



M-6810



M-6815



M-6820



M-6825



M-6830



M-6835



M-6840

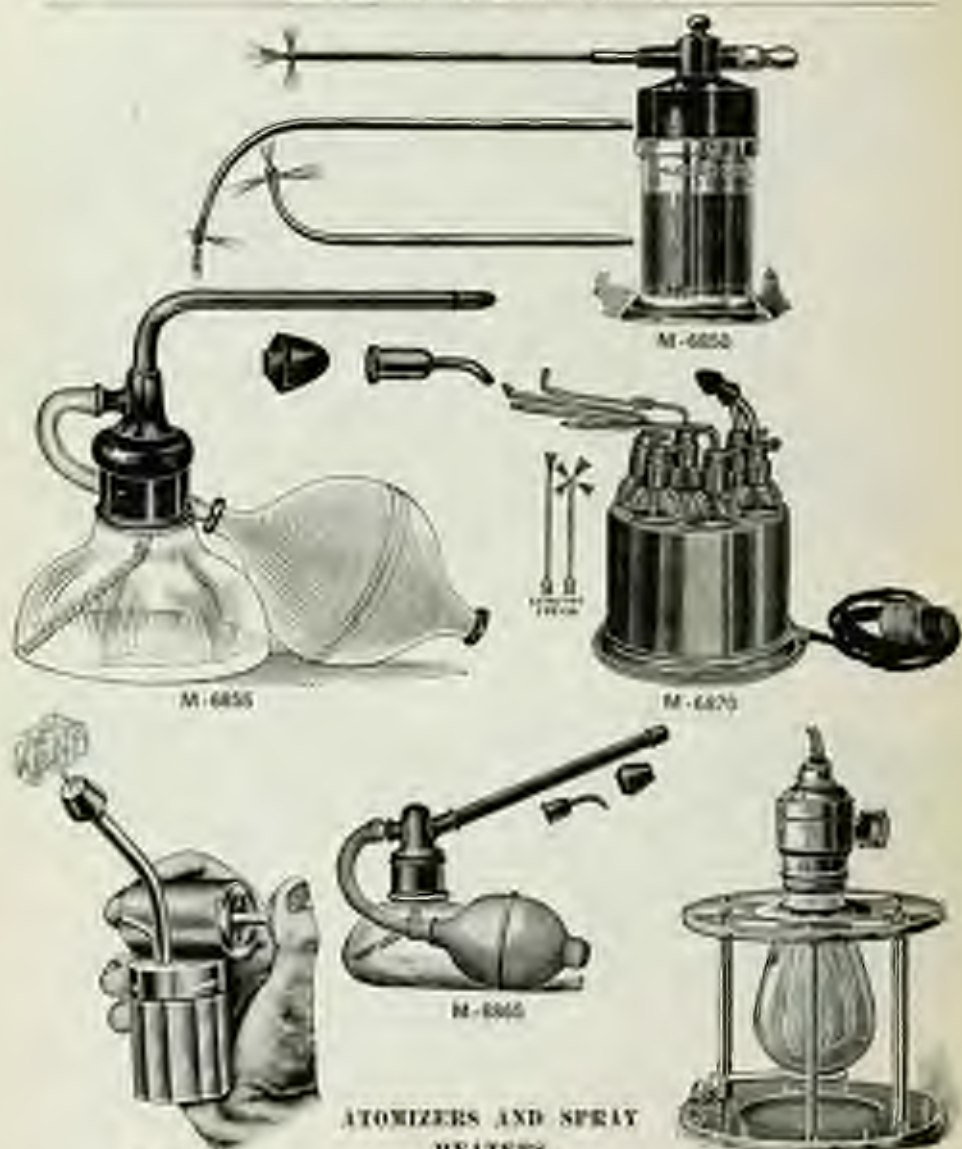
ATOMIZERS AND NEBULIZERS

M-6800	Atomizer, DeVilbiss, No. 8, all metal, with Universal spray tip	\$ 2.00
M-6805	Atomizer, DeVilbiss, No. 10, for oil, aqueous or alcoholic solutions, with Universal spray tip and rubber bulb	2.50
M-6810	Atomizer, DeVilbiss, No. 25, for oil and water	2.50
M-6815	Atomizer, DeVilbiss, No. 25, for oil only	2.50
M-6820	Nebulizer, DeVilbiss, No. 11	2.00
M-6825	Electric nasal tip, can be attached to any of the DeVilbiss nebulizers	1.00
M-6830	Nebulizer, DeVilbiss, No. 45, with extra large bottle and base	1.00
M-6835	Nasal atomizer, DeVilbiss, No. 21, for oil or water, with tube and tip attached; can be used as a vaporizer	2.00
M-6840	Nasal atomizer, DeVilbiss, No. 21	2.00
M-6845	Nebulizer, Pyralis's, for use with compressed air; both for Pyralis's nebulizer, for hand use	2.00



M-6845

Do not mutilate catalogue.—Specify series letter and number in ordering.



ATOMIZERS AND SPRAY HEATERS

M-6855	Universal atomizer, Hawley's, with nasal, post nasal, and throat tip. Made entirely of hard rubber and glass, for compressed air.	\$1.00
M-6856	Pure glass tube, straight for nasal use.	1.00
M-6857	Atomizer, Hawley's, for nasal use.	1.00
M-6858	Atomizer, Monarch, No. 2, with three tips.	1.00
M-6859	Atomizer and medicalizer, same.	1.00
M-6860	Atomizer, Monarch, No. 2.	1.00
M-6861	Kerosene heater, electric, DeVilbiss, with electric socket, 57 feet of cord and plug.	5.00
M-6862	Wall bracket for DeVilbiss spray heater.	1.00
M-6863	Spray heater, DeVilbiss, open pattern for six or seven sprays, without electric attachment.	2.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-6895



M-6900

ATOMIZERS AND NEBULIZERS FOR COMPRESSED AIR

M-6880	Atomizer, DeVilbiss, No. 52, for oil, aqueous or alcoholic solution. Sprays in any direction.	\$1.00
M-6884	Atomizer, DeVilbiss, No. 52, for oil, aqueous or alcoholic solution. Sprays in any direction laterally.	2.00
M-6885	Atomizer, DeVilbiss, No. 52	1.00
	Frontal spray tip "K" silver, extra	1.00
	Astoma tube "J" silver, extra	1.00
	Welding tube "I" nickel plated, extra	1.00
M-6890	Atomizer, DeVilbiss, improved, No. 56, complete as illustrated, with tip "M"....	1.00
M-6900	Set of atomizers, astomizers and powder blowers in metal nickel plated rack. Complete	5.00
M-6905A	Rack with six instruments.	2.25
These sets can be made to contain three, four or six atomizers, powder blowers or nebulizers as selected.		
M-6900	Set of atomizers, Davidson's, made entirely of hard rubber and glass, tip platinum lined. Set	\$1.50
M-6905A	Set of atomizers, hard rubber, similar to D60	2.00

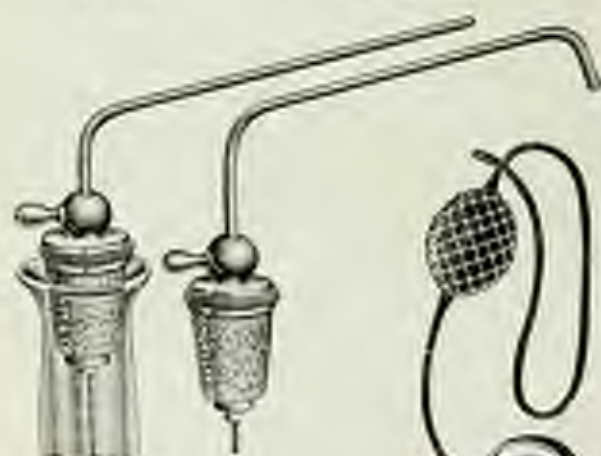
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M-6906

M-6915

M-6923



M-6912

M-6925



M-6932



M-6935



M-6940

SUNDRIES

M-6906	Cocain spray, McIlroy's, each, entirely of glass.	\$1.00
M-6915	Cocain spray, Frank's, set of two with one bottle for nose and throat.	2.75
M-6915	Atomizer bulb, ordinary white, 10 in.; best grade maroon rubber.	.40
M-6920	Inhaler mask, made of glass.	1.00
M-6925	Rubber foot bellows, for anesthetic apparatus and Facetta's catheter.	2.00
M-6930	Mist pump for cocain sprays and atomizers.	.25
M-6935	Double atomizer bulb of ordinary white rubber.	.75
M-6940	Double atomizer bulb, of black or red impasted pure gum rubber.	1.25

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-6945



M-6950



M-6955



M-6960



M-6965

M-6970



M-6975

POWDER BLOWERS AND AUTO- MATIC CUT-OFFS

M-6945 Powder blower, DeVilbiss, No. 24	\$1.25
M-6950 Powder blower, DeVilbiss, No. 26	1.00
M-6955 Powder blower, with scoop, hard rubber .....	.85
M-6960 Powder blower, Bishop's, hard rubber .....	.75
M-6965 Powder blower, Bishop's, hard rubber	1.00
M-6970 Powder blower, Gray's ..	1.25
M-6975 Automatic cut-off, Glide ..	1.00
M-6980 Automatic cut-off, David- son's	1.00
M-6985 Automatic cut-off, Buckle's ..	1.25
M-6990 Automatic cut-off, Bishop's ..	1.25



M-6980



M-6985



M-6990



M-6995



M-7000



M-7005



M-7010

COMPRESSED AIR APPARATUS

- M-6995 Compressed air apparatus, V. Mueller & Company's, No. 1, with seamless steel tank 12 by 24 inches, with three way cross-cock, silk covered tubing, automatic cut-off, T pump, and set of three Davidson's or DeVilbiss' sprays. Tank finished in aluminum lacquer or imitation oak. \$25.00
- M-7000 Compressed air apparatus, V. Mueller & Company's, No. 2, with two way cross-cock, T pump, silk covered tubing and automatic cut-off, set of three Davidson's or DeVilbiss' sprays, tank copper nickel plated, 20 by 24 in. 20 lb. tank 15 by 20 17.50
- M-7005 Compressed air apparatus, Tank 6 by 12, with pump, T pump, two sprays and one siphon 12.50
- M-7010 Compressed air apparatus, light portable, complete, as illustrated, with one spray 12.50
- Extra sprays, each 1.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



M-7010



M-7020



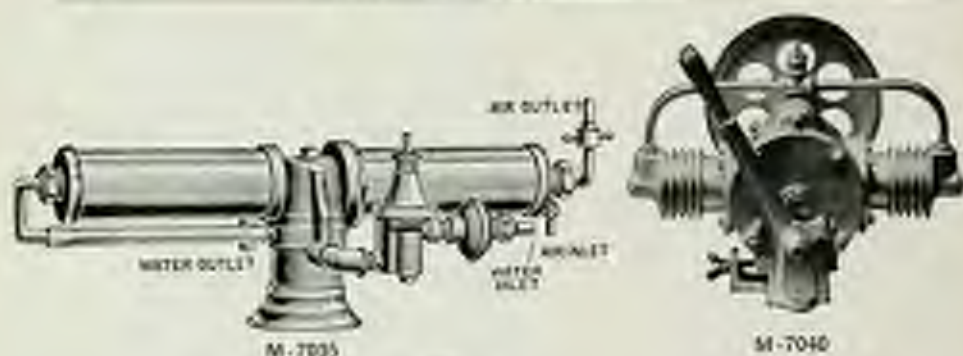
M-7025

NEBULIZERS AND COMPRESSED AIR APPARATUS

- M-7015 Nebulizer and compressed air apparatus, six bottle type, with white glass table and white enameled air receiver. 12 by 20. Heating on an iron base of ornamental design. Finished in gold lacquer. With double lever pump, set of sprays, and glass face mask. \$25.00
- M-7022 Nebulizer and compressed air apparatus, with air globe, glass face mask, set of sprays and double lever pump. The table on top of tank is made of polished plate glass with nickel plated rim. Receiver is finished in aluminum lacquer, mounted on gold bronze base. Receiver 20 by 30. Complete \$21.00
- M-7021 Double lever pump. This pump is carefully made, cylinders are nickel plated, valves of cast Japanese \$20.75
- M-7018 Compressed air apparatus, V. Mueller & Company's, No. 2, with 7 pump, set of Deyden or Deyden sprays, tank of copper, nickel plated, 10 by 22. Without table \$22.00
 With tank 14 by 30, without table. \$24.50
 Outer gas in table as illustrated according to quality of table from \$2.50 to \$4.00

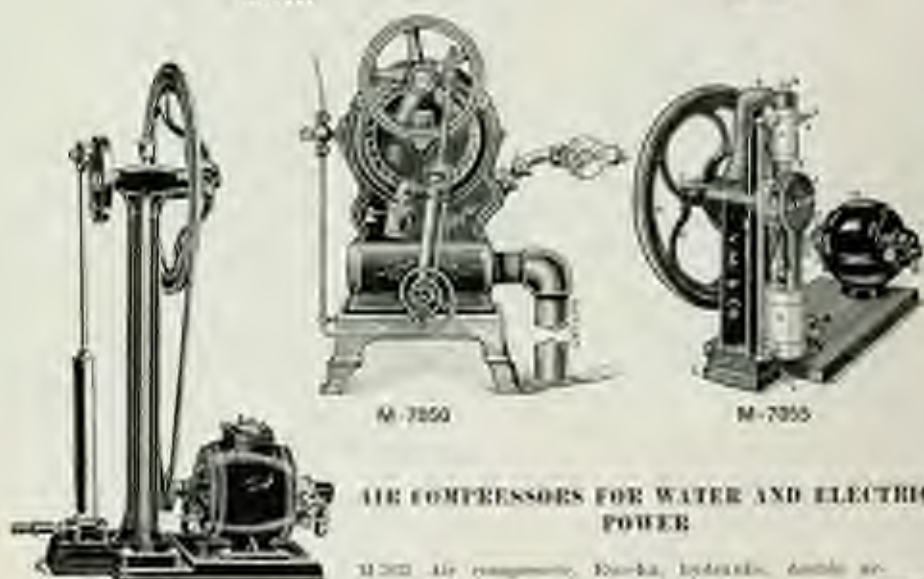


M-7030



M-7003

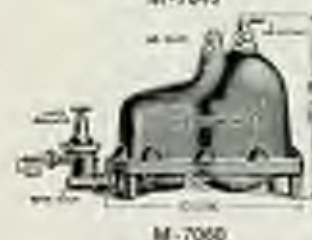
M-7010



M-7050

M-7055

M-7045



M-7060

AIR COMPRESSORS FOR WATER AND ELECTRIC POWER

- M-7003 Air compressor, Danks, hydraulic, double action \$7.50
- M-7010 Air compressor, Little Wonder, hydraulic. This can be used only where the city water pressure is over 30 pounds. 12.00
- M-7045 Air compressor, Victor Electric, for alternating and direct current. Its rating 220 volt. 15.00
- M-7050 Air compressor, Book's hydraulic. This compressor can be used with a city water pressure as low as 15 pounds, and will pump up to 100 pounds of compressed air. This is considered the best hydraulic air pump that has ever been produced. Full description sent upon application. 12.50
- M-7045 Air compressor, V. Mueller & Company's. This compressor is designed to be used when the physician already has motive power available. A motor of not less than one-horsepower (one-horsepower) should be used. Made entirely of metal with steel lining on the piston. 25.00
- M-7060 Air compressor, Globe, for alternating 110 volt current. 25.00
- For direct 110 volt current 25.00

Do not mistake catalogue.—Specify section letter and number in ordering.

Section "N"

Anaesthetic Apparatus

Gynaecological and
Obstetric InstrumentsGeneral Operating
Laparotomy

Physician's Leather Goods



N-5



N-10



N-15

ANAESTHETIC APPARATUS

- N-5 Clark-Hess nitrous oxide apparatus; provides a safe means of administering nitrous oxide gas, no discernible odor effects. Gas is the safest and with this apparatus the most satisfactory anaesthetic known.
Without cylinders \$30.00
- N-10 Tapering anaesthetic drop bottle; graduated to 40 cc. 5.00
- N-15 Teter Apparatus No. 1, for the scientific administration of nitrous oxide and oxygen, which can be administered alone or in definite proportions with any general anæsthesia, namely, nitrous oxide, chloroform, ether, etc.
Complete, (not including cylinders and gas) 150.00
Teter apparatus No. 2, (not including cylinders and gas) 85.00
Teter vapor warmer for above, extra 20.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



N-20

N-25



N-30

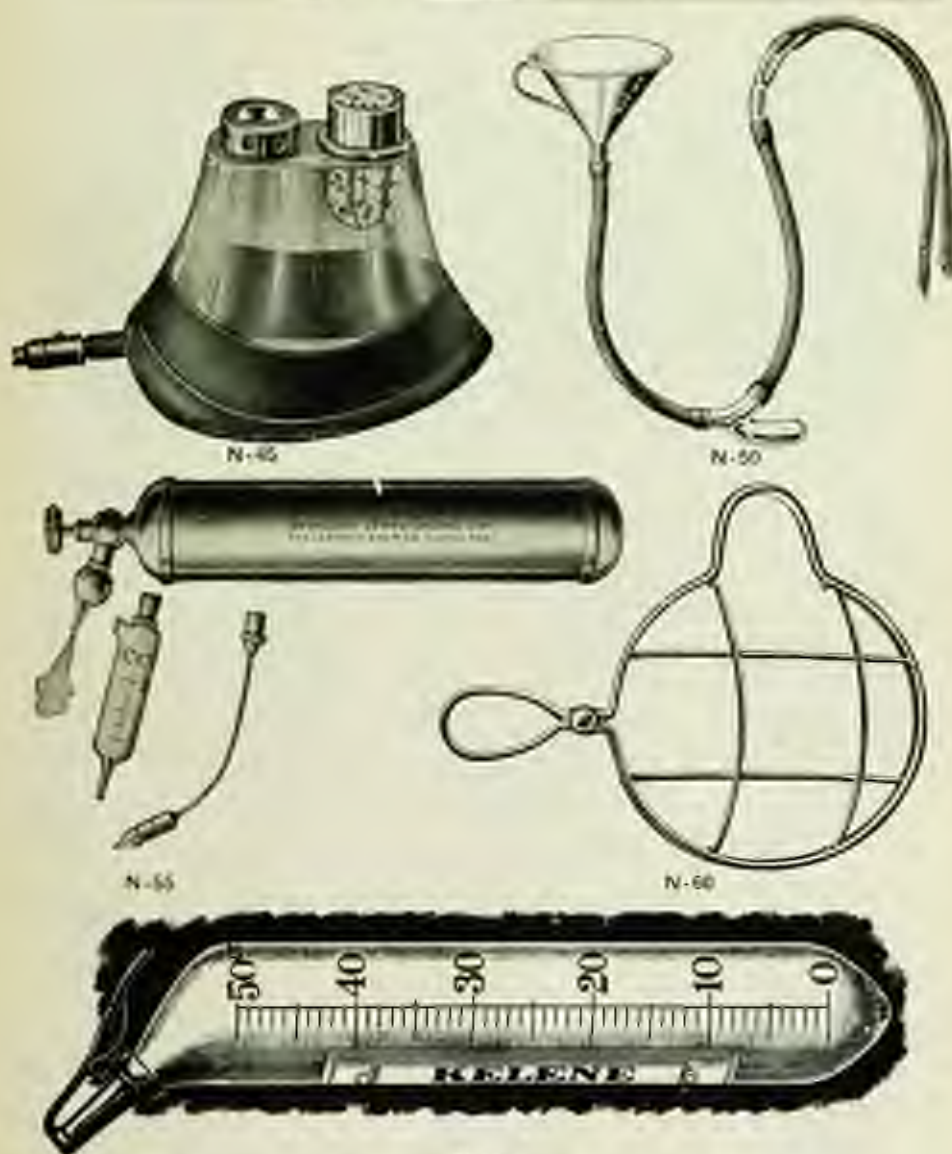
N-35

ANAESTHETIC APPARATUS—Continued

- N-21 Brophy's latest improved inhaler for chloroform or ether. Capacity of bottle 8 oz. Complete..... \$9 00
- N-22 Kilian's linear inhaler for chloroform or ether..... 7 50
- N-30 Miller's anaesthetic apparatus for chloroform or ether, consisting of foot pump, container for anaesthetic, curved tube, mouth gag and double adjustable nasal tube with tip..... 22 00
- N-35 Janssen's mouth gag with Miller's tube attached for when their purpose..... 2 50
- Apparatus Nos. N-20, N-25 and N-30 are especially adapted for unconscious patients and keep them under ether, thus during operations in the mouth and throat.
- N-40 Janssen's inhaler, complete with bulb..... 3 00



N-40



N-65
ANAESTHETIC APPARATUS—Continued

N-45	Graham's ethyl chloride vaporizer.	25 00
N-50	Graham's apparatus for administering anaesthesia to the rectum, with different sizes of tubes.	4 00
N-55	Graham's ethyl chloride tank, metal, 40 cc., 11.00; with graduated glass tube, extra.	1 00
	Flexible lip for mouth or throat work, extra.	1 00
N-60	Graham's chloroform inhaler, 11.50; folding.	1 00
N-65	Ethyl chloride, Kirsch, 20 cc., graduated for general anaesthesia.	1 00
	Plate taken for local anaesthesia.	1 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



N-70



N-75



N-80



N-85



N-90



N-95



N-100



N-105



N-110



N-115

ANAESTHETIC APPARATUS—Continued

N-70	Blair's dye bottle, with stop-cock.....	\$1
N-75	Kohler's inhaler, complete.....	1 00
N-80	Chapman's inhaler, complete, with mask.....	1 00
N-85	Easton's inhaler, complete, with mask.....	1 00
N-90	Easton's inhaler, complete, with mask.....	1 00
N-95	Easton's inhaler, complete, with mask.....	1 00
N-100	Easton's inhaler, complete, with mask.....	1 00
N-105	Easton's inhaler, complete, with mask.....	1 00
N-110	Easton's inhaler, complete, with mask.....	1 00
N-115	Easton's inhaler, complete, with mask.....	1 00

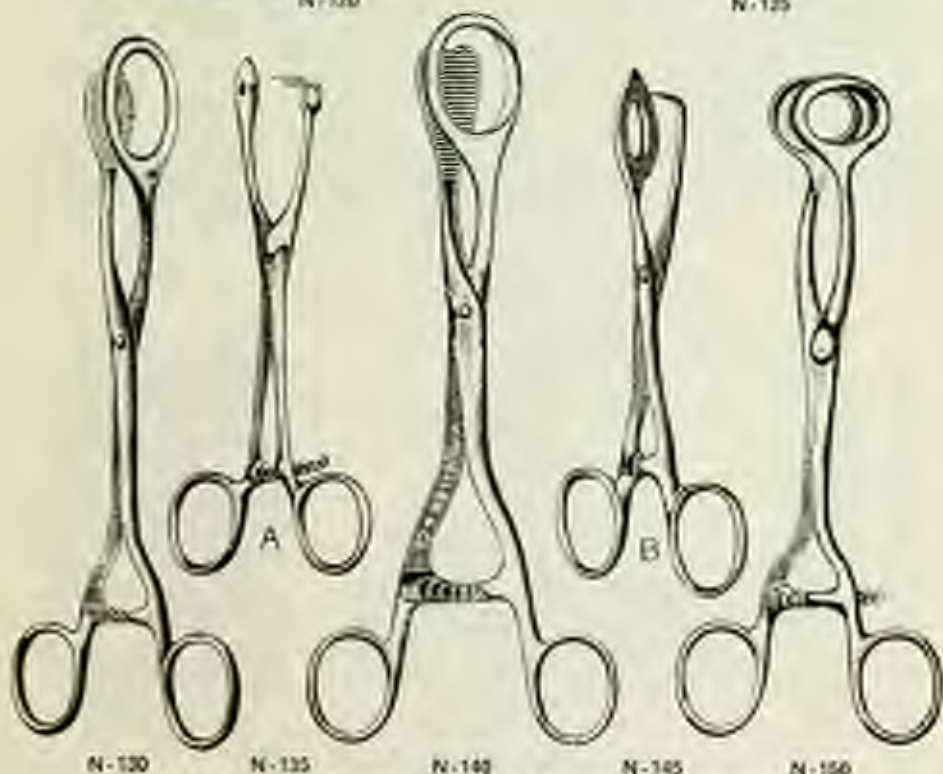
Do not mutilate catalogue—Specify section letter and number in ordering.



N-120



N-121



N-130

N-135

N-140

N-145

N-150

ANAESTHETIC APPARATUS AND TONGUE FORCEPS

N-120	Stark's somnoform inhaler, consists of a metal face mask with an inflatable rubber rim, a metal frame work of several cylinders joined together, and a collapsible rubber bag, complete in one.....	\$2.00
N-121	Ware's ethyl chloride inhaler.....	2.50
N-130	Mathieu's tongue holding forceps, 7 in.....	3.75
N-135	Wg. A. Berger's tongue holding forceps, 8 1/2 in.....	5.00
N-140	Mettler's improved tongue holding forceps, with heart-shaped lower blade, 7 1/2 in.....	1.75
N-145	Fig. B. Smith's tongue holding forceps, 5 1/2 in.....	1.50
N-150	Collins' tongue holding forceps, 7 in.....	1.75

Do not mutilate catalogue.—Specify section letter and number in ordering.



N-195



N-205



N-200



N-220



N-215



N-210 N-210A

NAIL FILES, BRUSHES, ETC.

211.	Nail files, according to quality, from \$1.00 up	
212.	Nail clipper, according to quality, \$1.00 and	\$1.00
213.	Nail scissors, according to quality, \$1.00 and	\$1.00
214.	Nail cleaner, made of one piece of steel, sliding plates, each	\$1.00
215.	Nail file, 3 in. \$1.00, 4 in. \$1.25, 5 in.	\$1.00
216.	Nail oil or water bottle, according to size and quality, from \$0.50 up	\$0.50
217.	Hand brush, temper, large size, each \$1.00, dozen	\$10.00
218.	Hand brush, temper, small size, each \$0.50, dozen	\$5.00
219.	Hand brush, bristle good quality, each \$0.25, dozen	\$2.50
220.	Foot brush, each	\$1.00
221.	Steel pen, each	\$1.00
222.	Pen's described bone chips, bottle set	\$1.00
223.	Bottle and Hammer's bone generator, complete with extra cartridges, set	\$1.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



N-225



N-230



N-225



N-240

RAZORS AND SKIN GRAFTING INSTRUMENTS

N-225	Section razor, finest quality with slide catch.....	\$4.00
N-230	Section razor, regular.....	2.50
N-222	Surgical razor, superior with metal handle.....	1.50
N-240	Razor, finest quality, not low ground.....	1.50
N-245	Razor, regular, good quality, not illustrated.....	2.25
N-250	Smith's skin grafting scissors.....	5.00
N-252	Section lifter, double ended, for handling grafts.....	.40
N-260	Needle for picking up grafts, metal handle, each.....	.25



N-250



N-255



N-260



N-265



N-270



N-275



N-280

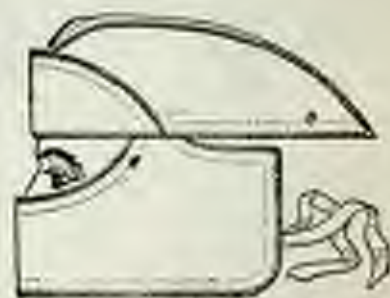


N. MUELLER & CO.

N-290



N-300



N-305

SURGEONS' GOWNS, COATS, ETC.

- N-260 Physicians' short coat, white drill \$1.00
dark good quality..... 1.50
- N-270 Surgeon's suit, drill \$1.75, dark good
quality..... 2.50
- N-271 Contagious disease suit, white duck..... 2.50
- N-280 Surgeon's operating gown, white drill
regular \$1.25, extra quality..... 1.50
When ordering surgical gowns, please
specify size and whether long or short
sleeves are wanted.
- N-285 Rubber apron, white..... 1.00
Extra large size \$1.75 to..... 2.00
We make rubber aprons in order of
very light tan sheeting dark or
double coated.
- N-290 Nurses' gown, good quality..... 1.75
- N-295 Rochester operating hood, each..... .50
- N-300 Ferguson's operating cap, each..... .40
- N-305 Webster's operating cap, with face
shield, each..... .60



N-285



N-290

Do not mutilate catalogue.—Specify section letter and number in ordering.



N-310



N-313



SPRING APRONS AND BIBS

N-314 Moore's patients' apron No. 40, made of highest grade rubber sheeting, black or white, each \$1.00

N-315 Moore's patients' bib apron, No. 26, made of highest grade rubber sheeting, black or white, each 1.25

No. 28, extra length 2 ft., black or white with 1.50
The advantage of the Moore's universal spring apron, is the ease and quickness with which it is put on and off, doing away with buttons or laces and strings is the, and the simplicity with which the springs can be adjusted and removed from the apron, so the apron can be thoroughly washed and sterilized.

Do not mutilate catalogue.—Specify section letter and number in ordering.



N-320 H

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N-325



N-325A

N-325



N-330



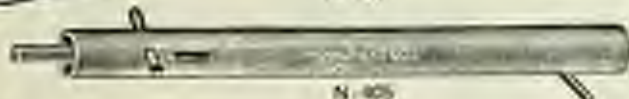
N-340

OPERATING ROOM REQUIREMENTS

- N-320 Pure gum tubing for drainage, sold by weight at the prevailing market price, order by number.
- N-322 Fowler's tourniquet, each..... \$1.00
- N-324 Marshall's tourniquet, each..... 1.25
- N-325 Marshall's rubber gloves, pure gum, made for us specially by the principal manufacturer of surgical gloves. Weight 1 lb. 40 oz. available.
- Weight C theory is always met unless otherwise specified.
- N-325A Rubber cement for repairing surgeon's gloves, in tubes..... 25
- N-340 Isobrom duster, hard rubber, small, 4 1/2" long..... 25
- N-340 Isobrom dusters, glass with metal top, not illustrated..... 50
- N-340 Isobrom duster, metal nickel plated..... 50
- N-340 Isobrom duster, metal nickel plated, extra large for operating room use..... 1.00



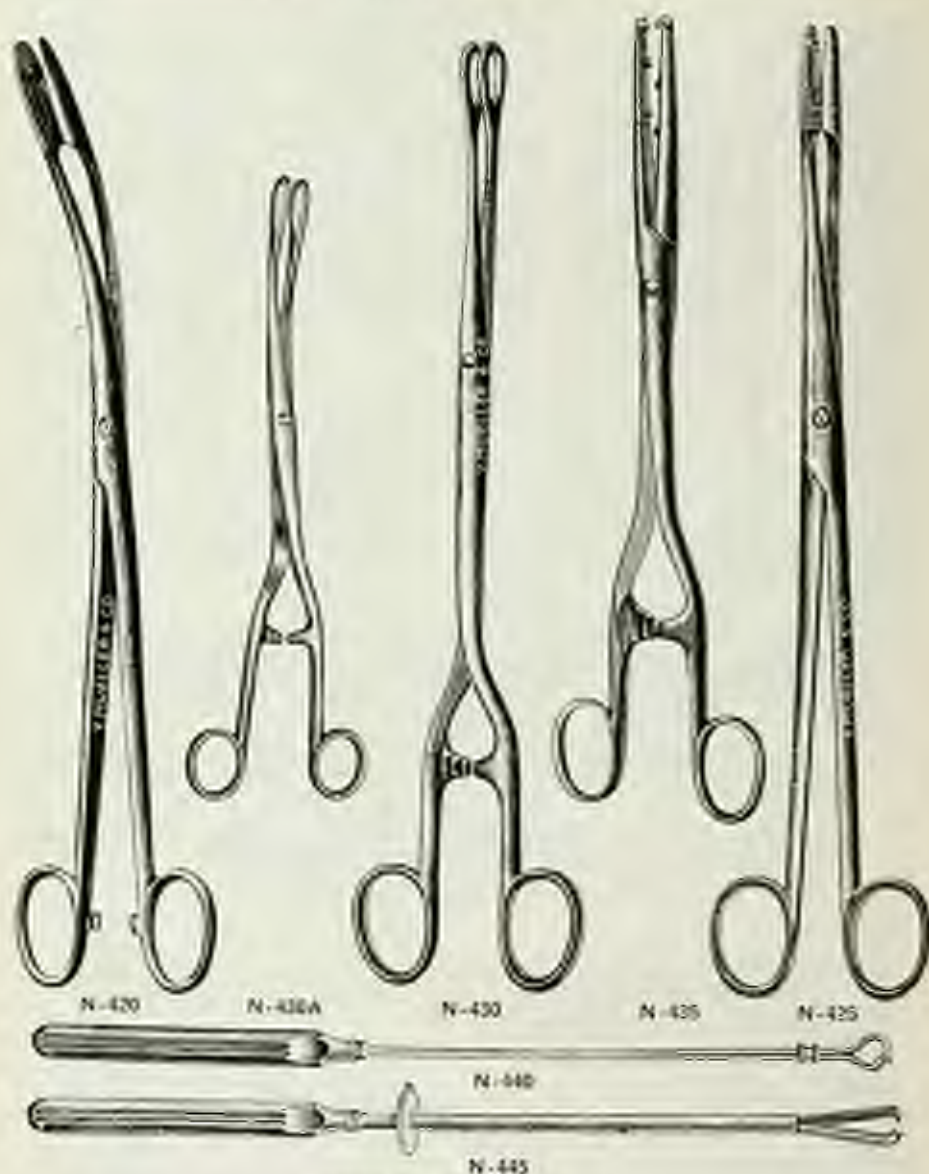
N-350



DRAINAGE TUBES

- N-385 Drainage tube, soft rubber, 6 in. length, perforated, per lumen containing 5 slits B
 N-386 Drainage tube, glass, plain curved
 N-387 Drainage tube, curved, perforated, glass
 N-388 Drainage tube, glass, Tait's, perforated
 N-389 Drainage tube, glass, Keith's
 N-390 Drainage tube, glass, straight, plain
 N-391 Drainage tube, glass, Murphy's, made in two sizes, 8 1/2 in. and
 N-392 Drainage tube, Murphy's, aluminum, straight, two sizes, each
 N-393 Drainage tube, Murphy's, aluminum, curved, two sizes, each
 N-394 Drainage tube, rubber, Mayo's
 N-395 Drainage tube, rubber, Andrew's, single
 N-396 Drainage tube, rubber, Andrew's, double
 N-415 Rubber cone, very thin for some drainage, per set of 5 slits, each 1/2 inch long
 N-416 Rubber cone, very thin for some drainage, per set of 5 slits, each 1/2 inch long

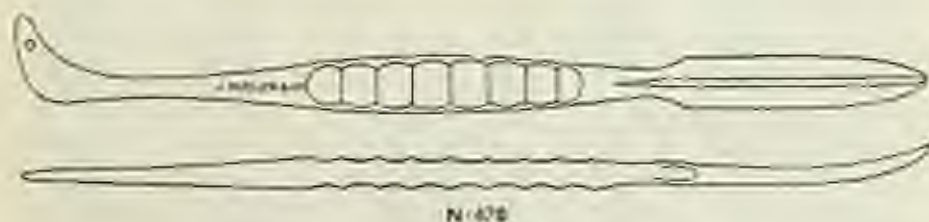
Do not mistake catalogue.—Specify section letter and number in ordering.



Sponge Holders Etc.

- N-420. Miller's sponge and polypus forceps, with catch straight or curved, 18 ins., each. E. H.
 N-425. Miller's sponge and polypus forceps, without catch, straight or curved, 18 ins., each.
 N-430. Forster's sponge holding forceps, with beak or screw lock, 20 ins.
 N-435. Forster's sponge holding forceps, curved.
 N-420A. Forster's sponge holding forceps, 20 ins.
 N-440. Sponge holder, plain.
 N-445. Sponge holder, improved.

Do not mutilate catalogue.—Specify section letter and number in ordering.

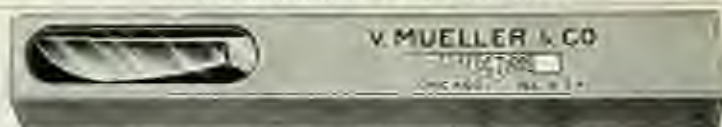


STERILIZER AND TOWEL FORCEPS, ETC.

N-458 Van der Puer's sterilizer forceps \$1.50
 N-459 V. M. & Co.'s sterilizer forceps,
 made in three sizes, 5 in.,
 \$2.00; 7 in., \$2.50; 9 in., 1.00
 N-460 Backhaus' trussula forceps, for
 attaching towels to skin,
 made in two sizes, 5½ in.,
 \$0.75; 7½ in., 1.00

N-461 Kocher's spring trussula for
 cups, for attaching towels to
 skin, 1.25
 N-475 Had's double-ended towel clip,
 made of steel, 1.50

Do not mutilate catalogue.—Specify section letter and number in ordering.



N-475



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N-480



1



2



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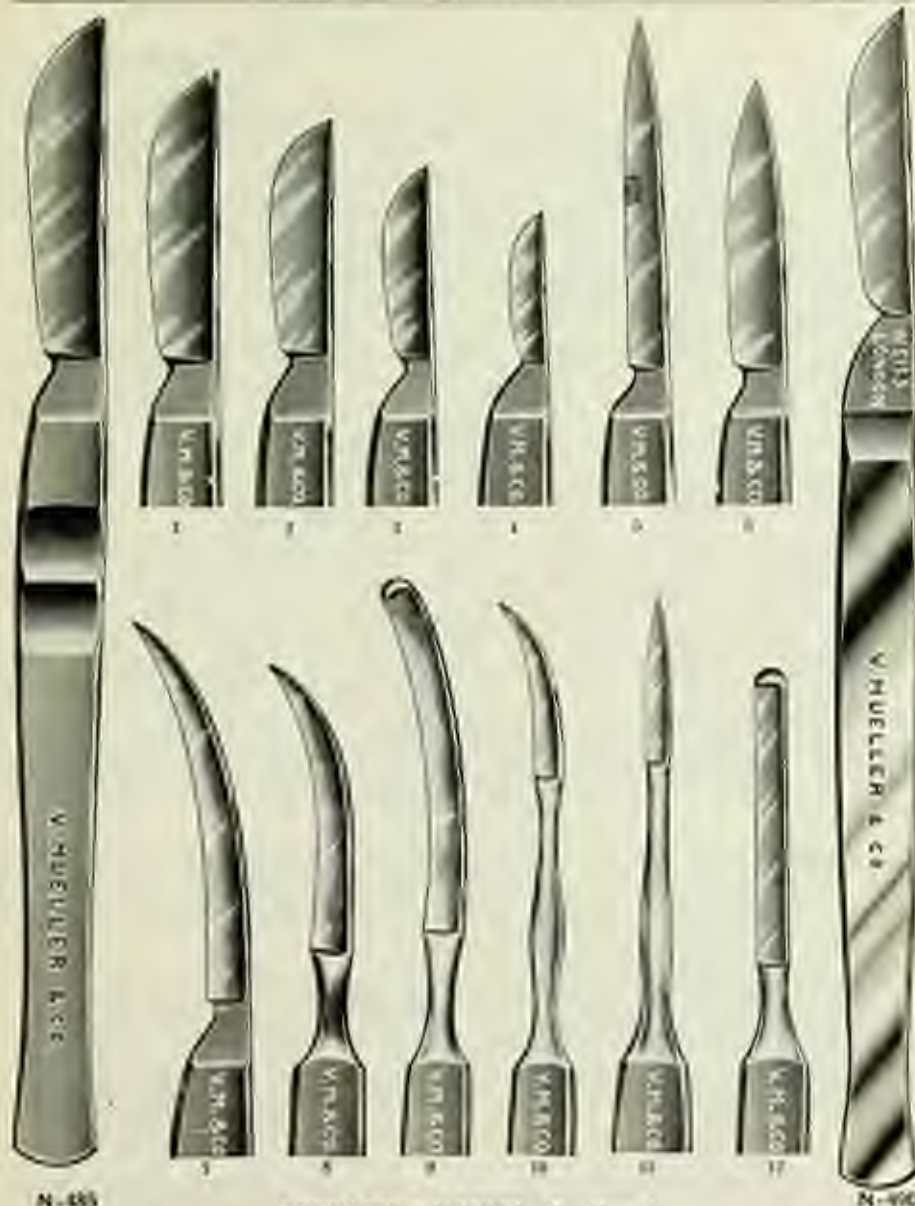
4

OPERATING KNIVES

N-475 Illustrates cardboard box, showing method of packing our surgical knives. The knives are placed in these individual boxes with blade in full view, by the expert who boxes them. The box is then sealed up and the operator can rest assured that the blade is in perfect condition and ready for instant use.

N-480 Dwyer's operating knife, each \$1.50

When ordering specify number of blade.



N-485

N-490

OPERATING KNIVES—Continued

N-485 Y. Mueller & Co.'s operating knives, hand forged of the best imported English

steel, made in all numbers from 1 to 26, each.....

No. 17, 20 and 21 each.....

No. 13 and 19 each.....

We guarantee our operating knives to be equal if not superior to any knife that

is on the market in this country, each one is packed in an individual box as

illustrated under Fig. N-485. When ordering please specify number of blade

N-490 'Wear' (London) operating knives, kept in stock in sizes N-490, 1, 2, 3 and 4, as

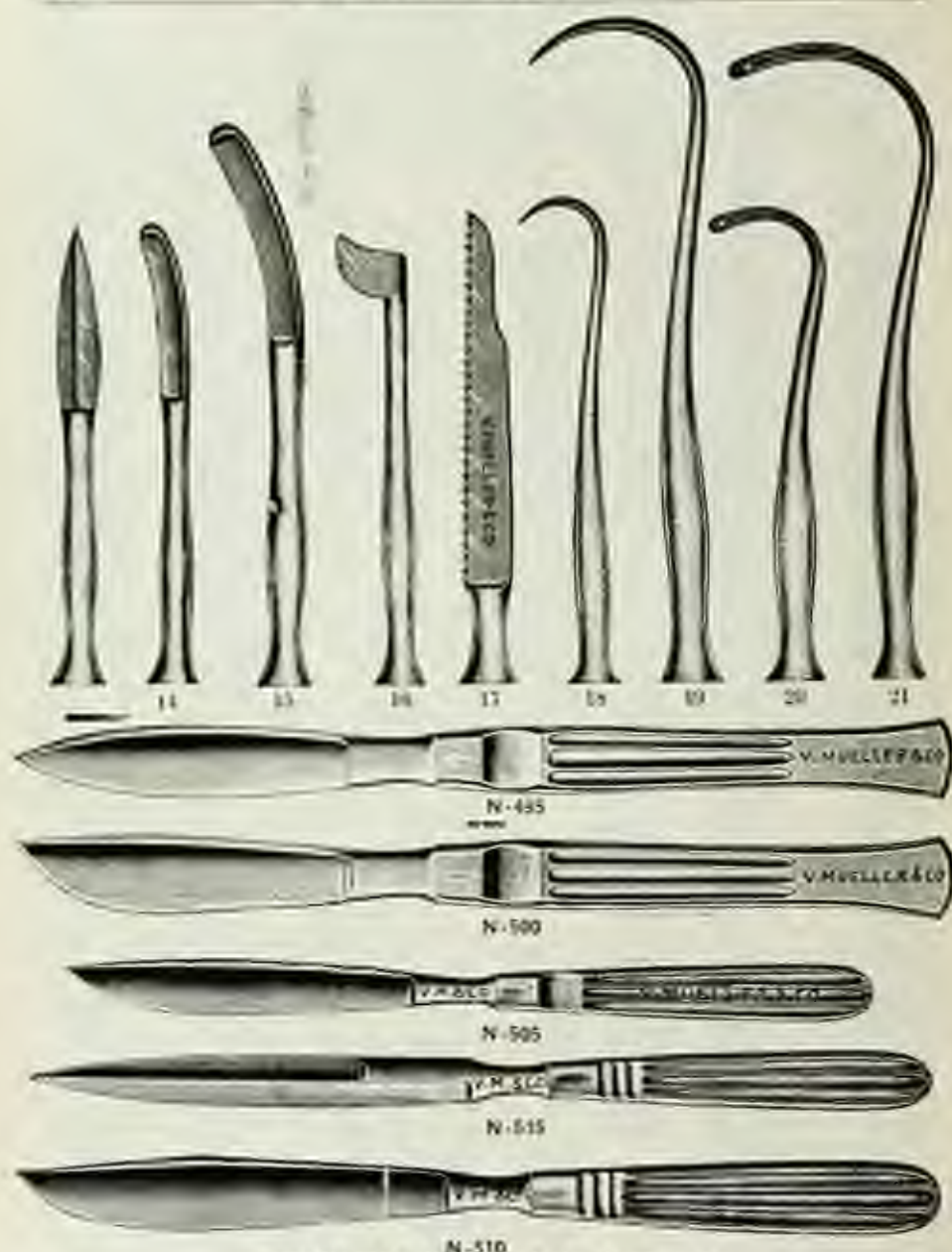
well as the sizes of center point scalpel like Fig. 6, lengths of blades N-485, 1, 2,

3 and 4, each.....

Do not mutilate catalogue.—Specify section letter and number in ordering.

1/1

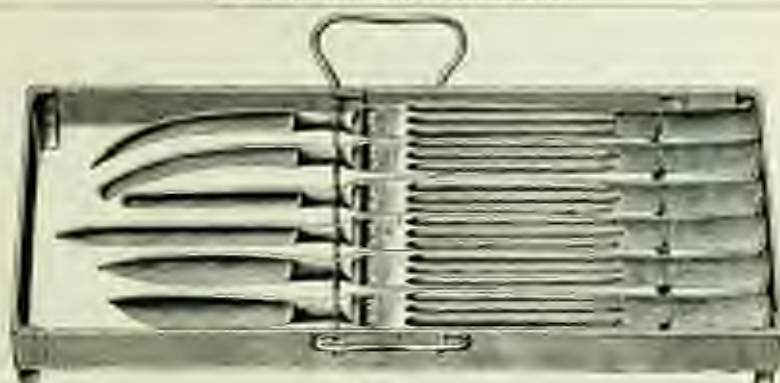
1/1



OPERATING KNIVES, ETC.—Continued

N-484	Vireow's heavy operating knife, 2½ in. blade, heavy point, each.....	\$1.00
N-484	Vireow's heavy operating knife, 2½ in. blade, beveled sharp.....	2.00
N-504	Operating knife, small 2½ in. blade.....	1.00
N-504	Operating knife, Langenbeck's, 1½ in. blade.....	1.00
N-512	Carlin knife, Liston's, 5½ in. blade \$1.50; 7½ in. blade.....	2.50

Do not mutilate catalogue—Specify section letter and number in ordering.



N-529



N-530



N-535

KNIFE CASES AND RACKS

- | | | |
|-------|---|-------|
| N-529 | Rack for holding knives, for 4 knives each..... | 62 75 |
| | For 12 knives each..... | 7 50 |
| | Can be furnished either welded or gilded plated. | |
| | Outfitted with modern sterilization specified. | |
| N-525 | Knife holder made of aluminum to hold from one to six knives and illustrated. | |
| | from \$9.40 to \$12.50..... | 50 |
| N-530 | Knife holder, adjustable rack made of metal plates plated to hold from one to six knives, \$9.50 to \$12.50..... | 1 00 |
| N-535 | V. Mueller & Co.'s knife rack. The knives are put in this rack and then placed in the sterilizing tray, thus preventing the edge of the knife from being damaged by contact with the bottom or sides of the sterilizing tray. | |
| | Holding 4 knives, \$1.50; 12 knives..... | 2 15 |

Do not mutilate catalogue.—Specify section letter and number in ordering.



POCKET CASE OPERATING INSTRUMENTS

N340 Pocket case knife, plain handle. Handle and blades are shown in actual size.

We furnish all handles with full back finish only unless specially ordered otherwise. Each

N345 Pocket case knife, full size. We carry in stock with this handle blades extra-
 long in 1 to 11, with the exception of Fig. 2 and 7, each

\$1.00

50

Do not mutilate catalogue.—Specify section letter and number in ordering.

POCKET INSTRUMENT
CASESVEST POCKET EMER-
GENCY CASE

Contents: 2 Liston's knives, 1
straight awl, 1 handle for
eye, 1 director and bonepin, 2
probes, 1 gross hook and spoon,
needle and silk.

No. 50 In fine black leather
case \$1.00



N-560

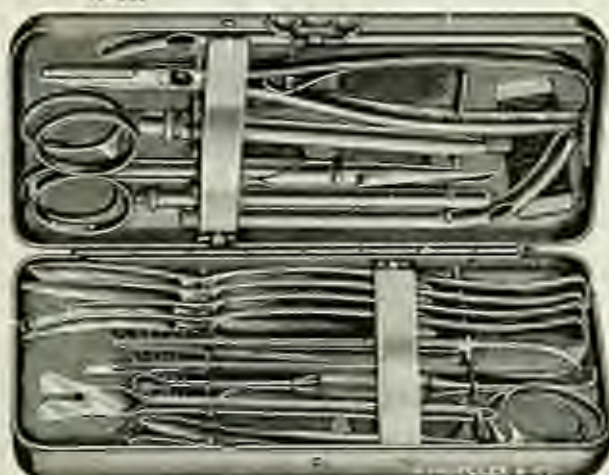


N-565

METAL VEST POCKET CASE

The contents of this case are the same
as contained in above case. The case is
made of metal, nickel plated, with cloth
buffer pouch for carrying same.

N-566 Vest pocket case, metal.....\$5.75



N-570

N-570 Metal pocket instrument case. The contents of this case are the same as con-
tained in our No. 1. Case made of German silver, heavily plated. Hacks are
of metal and can be removed from the case. Measurements, 3/4 inch long, 1 1/2
inches wide, 5/8 inch thick. Provided with cloth bottom pouch for carrying.
Metal pocket case, No. 55, with plain handle knives.

POCKET INSTRUMENT CASES



N-575

N-575 Pocket case No. 1.

Contents: Six

1/8 in. Lister's

knife, 1 straight

scalpel, 1 Par-

ker's catheter

with caustic

holder, 1 Pen-

nec's forceps,

1 thumb forceps,

1 director and

longue tie, 1 ear

hook and spoon,

1 probe, needle

and silk.

Pocket case No. 1,

with plain, sw-

erve handle

knives \$1.50

Cases are put up in black

leather and seal grain.

N-580 Pocket case No. 2.

Contents: 4 long

Lister's knives, 1

male and female

catheter with

caustic holder, 1

straight scalpel,

1 Penec's forceps,

1 thumb forceps,

1 director and

longue tie, 1 ear

hook and spoon,

2 probes, 1 as-

pirating and in-

flating needle,

needles and silk.

Pocket case No.

2 with plain

handle knives \$1.00

Cases are put up in black

morocco, monkey grain, and

embossed calf leathers.



N-580

AMPUTATING CASES

N-505. V. Mueller & Co.'s operating case No. 1. Contains: Large amputating saw, removable handle; Liston's right-hand bone forceps, with spring; 1 Fran's haemostatic forceps, curved scissor, Kern's needle holder, 5 inch; Esmarch's tourniquet with hook and chain, operating knife with metal handle, operating knives, assorted blades to suit; fat and director, pair of probes, needles and silk.

The case is handsome and durable with metal corners and has a comfortable handle. The rocks are nickel plated.

Operating case, No. 1, \$17 50

Operating set, No. 1. Same as above with Esch's trephine and nose trephining elevator and respiratory added \$25 00



N-505

N-506. V. Mueller & Co.'s operating case No. 2. Contains: Large amputating saw, removable handle; Liston's bone forceps, 15 1/2 inches with spring; 1 Fran's haemostatic forceps, curved scissor, Esmarch's needle holder, 5 inch; Esmarch's tourniquet with hook and chain, operating knife with metal handle, operating knives, assorted blades to suit; fat and director, 2 probes, needles and silk.

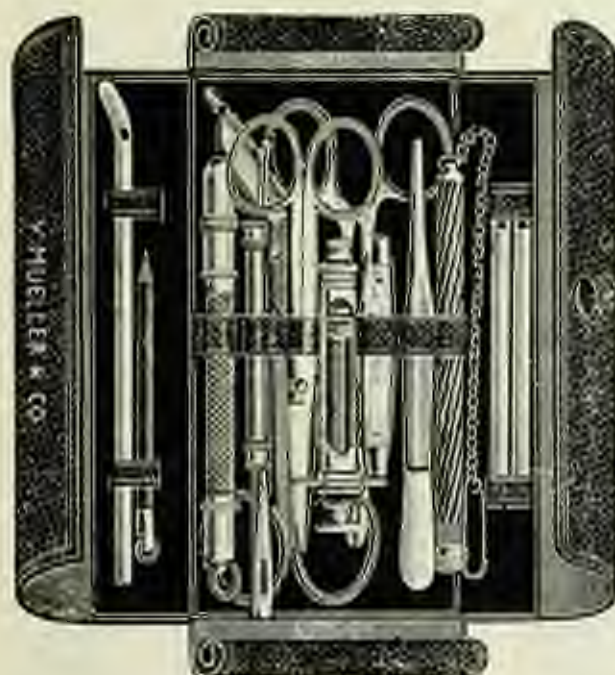
All the knives are superior quality, hand forged and warranted.

This case is perfectly complete and very compact. All the instruments are on a single metal rack, making a broad case in which all the instruments are exposed when the case is opened. The eyes make use of the case.



N-506

Operating set, No. 2, \$27 50
Operating set, No. 2, with plain needle holder, 25 00
Operating set, No. 2, with Esch's trephine and elevator and respiratory added 30 00



N-805



N-613



N-615

NURSES' POCKET CASES

- N-805 V. Mueller & Co's complete nurses' pocket case, containing all the necessary instruments and requirements for an up to date nurse, including thermometer, pocket bulb, hypodermic syringe, bandage scissors, artery forceps, dressing scissors, probes, catheters, etc. Complete..... \$5.75
- N-613 Nurses' chatelaine case with bag cover. Containing one (1) pair forceps, 1 all metal hypodermic syringe with two needles, 1 pair scissors, 1 probe, 1 thermometer in metal case, 2 female catheter. Complete..... 5.00
- N-615 Nurses' chatelaine case. Containing 1 pair scissors, 1 thumb forceps, 1 artery forceps, 1 gonorrhea director, 2 probes, 1 female catheter, and clinical thermometer. Complete..... 5.75



SURGICAL AND DRESSING SCISSORS

The scissors illustrated above, straight and curved, we carry in stock from 4 inches to 7 inches, with two sharp points, one sharp and one blunt point, and two blunt points, with screw lock and with slide lock. When ordering, kindly state what length of scissors you desire, kind of point, slide or screw lock.

N-520	A and B, surgical scissors, 4 in., each.....	\$1.50
N-521	A and B, surgical scissors, 5 in., each.....	.80
N-522	A and B, surgical scissors, 6 in., each.....	.70
N-523	A and B, surgical scissors, 7 in., each.....	.60
N-524	A and B, surgical scissors, 8 in., each.....	.50
N-525	A and B, surgical scissors, 9 in., each.....	1.00
N-526	C and D, surgical scissors, curved, 4 in., each.....	.75
N-527	C and D, surgical scissors, curved, 5 in., each.....	.65
N-528	C and D, surgical scissors, curved, 6 in., each.....	.55
N-529	C and D, surgical scissors, curved, 7 in., each.....	.45
N-530	C and D, surgical scissors, curved, 8 in., each.....	.35
N-531	C and D, surgical scissors, curved, 9 in., each.....	.25
N-532	C and D, surgical scissors, curved, 10 in., each.....	.15
N-533	C and D, surgical scissors, curved, 11 in., each.....	.10

Do not mutilate catalogue.—Specify section letter and number in ordering.



MAYO OPERATING SCISSORS

NOTE. Mayo operating scissors with two blunt points. FIG. A, two sharp points. FIG. B, one blunt and one sharp point.

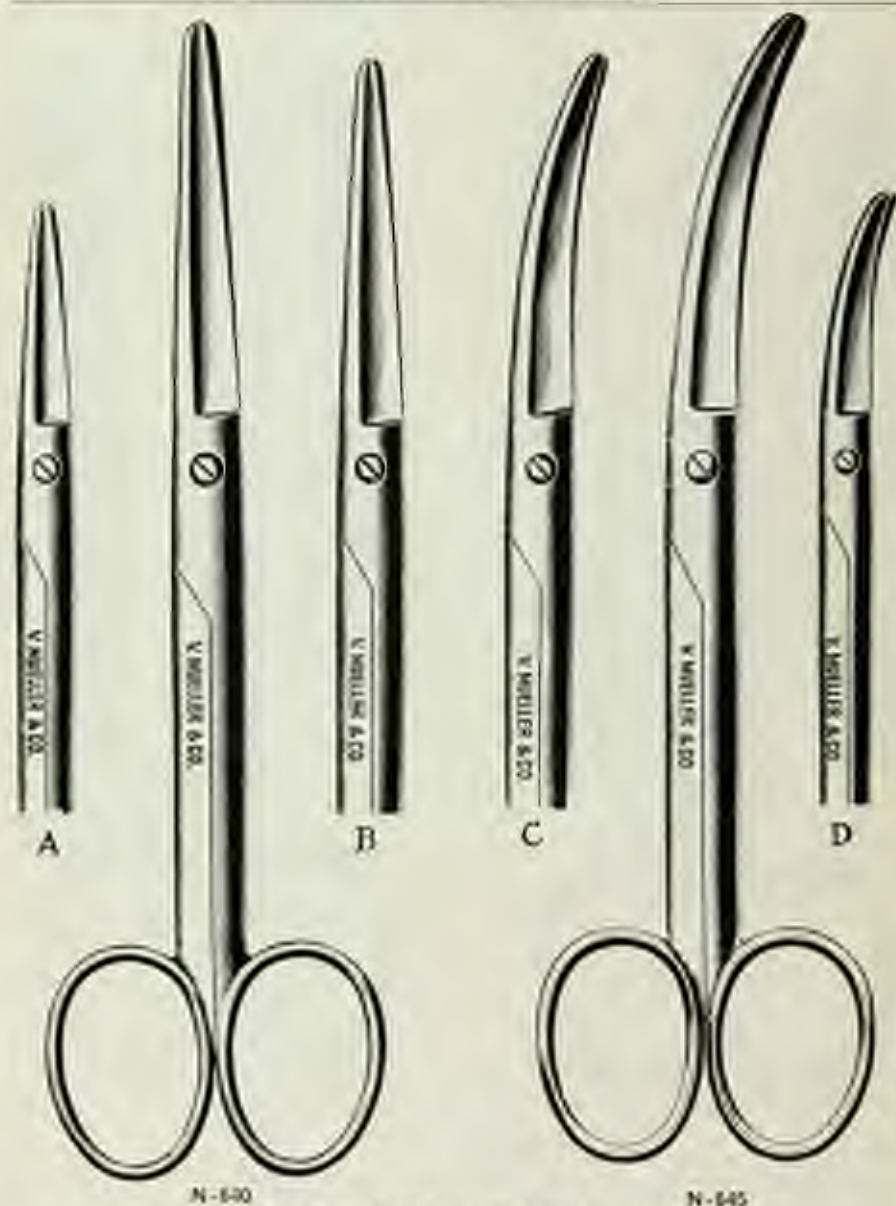
These scissors were first made after the suggestion of Dr. W. J. Mayo. The blades and handles are both much heavier than usual, and the blades shorter, thus giving greater leverage and power. They are made of the best English steel and carefully finished.

We carry in stock four sizes, 5, 7½, 9 and 11½ in. long. 5 in., \$9.99; 7½ in., \$11.00; 9 in., \$12.50; 11½ in., \$14.00.

NOTE. Mayo curved operating scissors with two blunt points. FIG. C, one blunt and one sharp point. FIG. D, two sharp points.

We carry in stock four sizes, 5, 7½, 9 and 11½ in. long. 5 in., \$11.00; 7½ in., \$12.50; 9 in., \$14.00; 11½ in., \$15.50.

Do not mutilate catalogue.—Specify section letter and number in ordering.



OPERATING AND DRESSING SCISSORS

- N-640 V. Mueller & Co.'s special operating and dressing scissors, with two blunt points. They are especially suitable for making dressings around the eye and on an eyelid as their thin blades are also suitable to the purpose in delicate work.
- Length, 6 1/2 in. \$0 50
- Fig. A, length 5 in. 40
- Fig. B, length 5 1/2 in. 75
- N-645 V. Mueller & Co.'s special operating and dressing scissors, curved blades, 6 1/2 in. 1 00
- Fig. C, length 5 1/2 in. 50
- Fig. D, length 5 in. 25

Do not mutilate catalogue.—Specify section letter and number in ordering.



SURGICAL AND DRESSING SCISSORS

N-650	Tillam's stick scissors, $7\frac{1}{2}$ in., \$1.25; 9 in., \$1.50	50
N-651	Mays's dressing scissors, straight, $6\frac{1}{2}$ in., \$1.25; 8 in., \$1.50	50
N-652	Mays's dressing scissors, curved, $5\frac{1}{2}$ in., \$1.25; 7 in., \$1.50	50
N-653	General purpose scissors, for cutting cane and dressings, 7 in., \$1.25; 8 in., \$1.50	50
N-654	General purpose scissors, good quality $6\frac{1}{2}$ in., \$1.25; 7 in., \$1.50	50

Do not mutilate catalogue.—Specify section letter and number in ordering.



N-665

N-670

N-675

SURGICAL AND DRESSING SCISSORS

N-665	Krey's abdominal scissors, curved sideways with screw lock or side lock, 8½ in.	\$1.25
N-669	Virgessen's abdominal scissors, angulus curved on flat, 7 in., screw lock, extra heavy.	\$2.00; regular.....
N-671	Surgical and general purpose scissors, extra heavy 8½ in.	1.25
N-673A	Surgical scissors, point pointed, angular curve, 5½ in.	1.10
N-673B	Abdominal scissors, angulus, one sharp and one blunt point, 7½ in.	\$1.00; 7½ in. \$1.50; 8½ in. 1.10

Do not mutilate catalogue.—Specify section letter and number in ordering.



BANDAGE SCISSORS

New bandage scissors, illustrations are actual size, 8 1/2 ins.....	\$1.00
N-680 7 ins., light.....	2.25
N-681 7 ins., heavy.....	1.50
N-682 8 ins.....	3.00
N-683 9 ins., extra heavy.....	2.25
N-684 Scissors, with probe point on lower blade, 8 1/2 ins.....	2.50



UTERINE SCISSORS

- | | | |
|--------|---|--------|
| N-690 | Wise's uterine scissors, curved, 2 ins., heavy, extra quality, two blunt points..... | \$1.50 |
| N-691A | Wise's uterine scissors, curved, 2 ins., heavy, extra quality, one sharp and one blunt point..... | 1.50 |
| N-692 | Wise's uterine scissors, curved, 2 ins., heavy extra quality, two sharp points..... | 1.50 |
| N-693 | Wise's uterine scissors, straight, 2 ins., extra quality, two blunt points..... | 1.50 |
| N-694A | Wise's uterine scissors, straight, 2 ins., extra quality, one sharp and one blunt point..... | 1.50 |
| N-695 | Wise's uterine scissors, straight, 2 ins., extra quality, two sharp points..... | 1.50 |
| N-696A | Wise's uterine scissors, probe-pointed, 2 ins..... | 1.50 |
| N-697 | Wise's uterine scissors, serrated, (saw-tooth edge) straight or curved, 2 ins..... | 1.50 |

Do not mutilate catalogue.—Specify section letter and number in ordering.



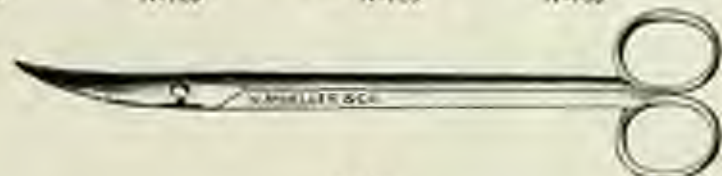
N-710

N-720

N-725

N-730

N-715



N-735



N-740

GYNAECOLOGICAL SCISSORS

- N-710 Kelly's vesico vaginal scissors, straight, 4 1/2 in.
 N-715 Kelly's vesico vaginal scissors, curved, 4 1/2 in.
 N-720 Brown's tenaculum scissors, 2 1/2 in.
 N-725 Brown's tenaculum scissors, 2 1/2 in., straight, 12 in. curved.
 N-730 Brown's tenaculum scissors, curved, 4 1/2 in.
 N-735 Brown's tenaculum scissors, curved, 4 1/2 in.
 N-740 Brown's tenaculum scissors, curved, 4 1/2 in.

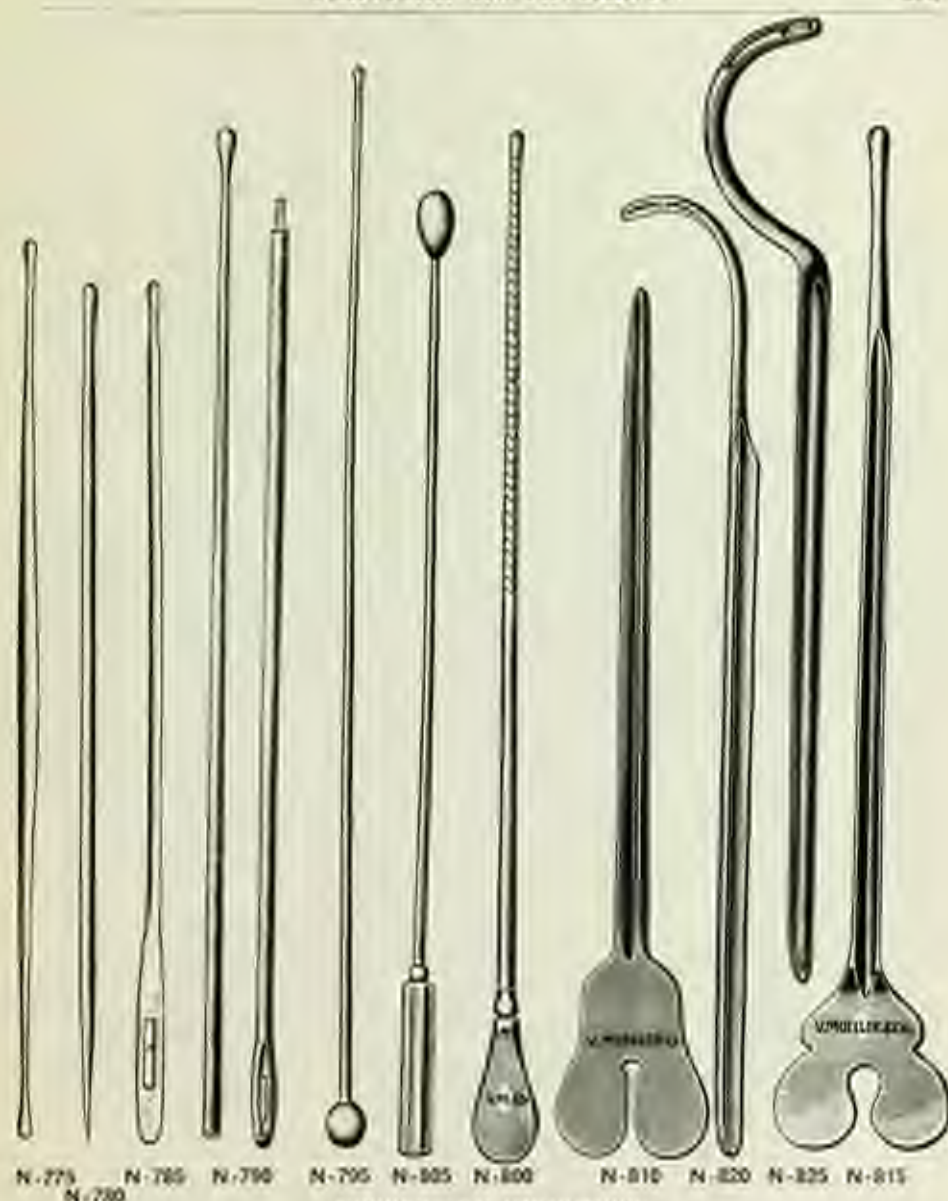
Do not mutilate catalogue.—Specify section letter and number in ordering.



GYNECOLOGICAL SCISSORS

- N-745 Hank's rhynchotripsy scissors, $\frac{7}{8}$ in., right and left, each..... \$1.10
 N-750 Emmett's uterine scissors, curved sideways, inner curve, right and left 7 in., each..... 1.10
 N-755 Emmett's uterine scissors, curved sideways, full curve, 7 in., left side..... 1.10
 N-760 Emmett's uterine scissors, curved sideways, full curve, 7 in., right side..... 1.10
 N-765 Wood's cervical scissors, curved on flat, 7 in..... 1.10
 N-770 Boomer's uterine scissors double curve, 7 in..... 1.10

Do not mutilate catalogue.—Specify section letter and number in ordering.



PROBES AND DIRECTORS

N-775	Pocket nose probe, double ended $4\frac{1}{2}$ ins., each.....	\$ 15
N-780	and N-785 probes, nickel or silver-plated, $4\frac{1}{2}$ ins., each \$9.50; 5 and $5\frac{1}{2}$ ins., \$11.75; 6 and 7 ins., \$9.25; 8 ins., \$9.25; 10 ins., \$9.25; 12 ins., \$9.25	30
N-790	Probe, nickel-steel, can be narrowed for the purpose of carrying in pocket eyes, entire length 10 $\frac{1}{2}$ ins.	40
N-795	Bullet probe, U. S. A. model, $5\frac{1}{2}$ ins., each.....	50
N-800	Leuck's spiral double probe, 21 ins.	1.00
N-805	Bullet probe, relation with previous head 5 ins.	30
N-810	Grassed director and tongue tie, $4\frac{1}{2}$ ins., \$9.25; $5\frac{1}{2}$ ins., \$9.50; 6 ins., \$9.75	40
N-815	Director and anastomosis needle, lower curve, each.....	25
N-820	Director and anastomosis needle, full curve, 5 ins., \$9.25; 6 ins., \$9.50	50
N-825	Director and tongue tie probe pointed, $4\frac{1}{2}$ ins., \$9.25; $5\frac{1}{2}$ ins., \$9.50	40



TISSE FORCEPS, SERRATED

N-830	Tissue forceps, $\frac{1}{2}$ in., fine points, serrated.	\$1.00
N-831	Tissue forceps, $\frac{1}{2}$ in., heavier points, serrated.	.85
N-832	Tissue forceps, serrated points, plain, $\frac{1}{2}$ in., 10-20; $\frac{1}{2}$ in., 15-40; $\frac{3}{4}$ in., 20-60; 1 in., 30-80.	.40
N-833	Tissue forceps, serrated points and serrated hands, $\frac{1}{2}$ in., 10-20; $\frac{3}{4}$ in., 20-40; 1 in., 30-60; 1 1/2 in., 40-80.	1.00
N-834	Tissue forceps, serrated points, bevel hands, $\frac{1}{2}$ in., 10-20; $\frac{3}{4}$ in., 20-40; 1 in., 30-60; 1 1/2 in., 40-80.	.50
N-835	Tissue forceps, with thumb depression, serrated points, $\frac{1}{2}$ in., 10-20; $\frac{3}{4}$ in., 20-40; 1 in., 30-60; 1 1/2 in., 40-80.	.80
N-836	Tissue and dissecting forceps, serrated points, $\frac{1}{2}$ in., 10-20; $\frac{3}{4}$ in., 20-40; 1 in., 30-60; 1 1/2 in., 40-80.	.80

Do not mistake catalogues—Specify section letter and number in ordering.



TISSE FORCEPS, ASSORTED

N-865 Tissue forceps, curved, $1\frac{1}{2}$ in.	85 50
N-875 Tissue forceps, curved, $2\frac{1}{2}$ in.	85 50
N-880 Tissue forceps, Smith's, with lock and base connection, $1\frac{1}{2}$ in.	85 50
N-885 Tissue forceps, with teeth and serration, $2\frac{1}{2}$ in.	85 50
N-890 Tissue forceps, Bostons', $2\frac{1}{2}$ in.	1 00
N-865A Tissue forceps, Bostons', curved, $1\frac{1}{2}$ in.	1 00
N-885A Tissue forceps, Bostons', curved, $2\frac{1}{2}$ in.	1 00
N-890A Tissue forceps, Bostons', $2\frac{1}{2}$ in.	1 00
N-865A Tissue forceps, Bostons', $2\frac{1}{2}$ in.	1 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



TISSUE FORCEPS, MOUSE TOOTHED

N-895	Tissue forceps, with two and two teeth, 8½ ins., W-45; 5 ins., W-50; 3½ ins., W-55	
N-900	Tissue forceps, with two and three teeth, 5 ins., W-55; 3½ ins., W-59; 3 ins., W-60	\$0.50
N-905	Tissue forceps, Kistner's, four and five teeth, 5 ins.	1.40
N-908	Tissue forceps, Wadler's, four and five teeth, 8½ ins., W-50; 5 ins., W-52; 3 ins., W-53	.85
N-909	Wadler's Hospital tissue forceps, four and five teeth, 5 ins.	.75
N-909	Tissue forceps, Wadler's, four and five teeth, 5 ins.	.75

Do not mistake catalogues.—Specify section letter and number in ordering.



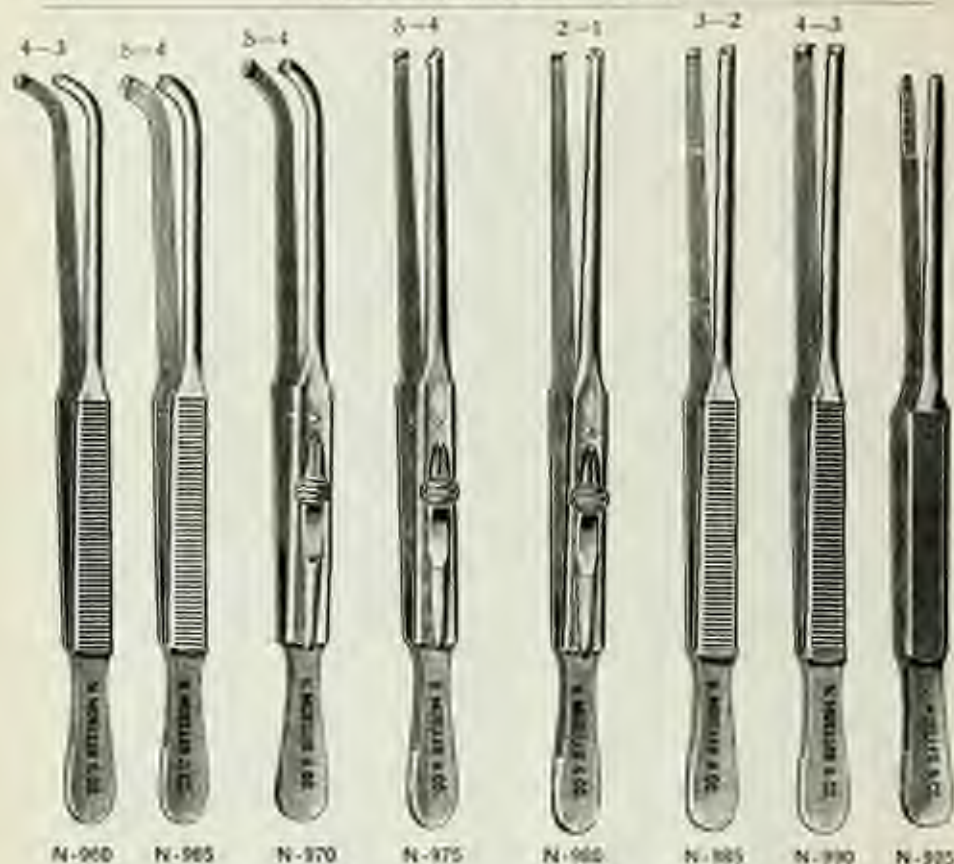
TISSUE AND ARTERY FORCEPS

N-925	Radial artery clamp, "Eldred", 5 in.	\$1.50
N-925A	Carotid artery clamp, "Eldred", 2½ in.	\$1.00; 1½ in., .75
N-930	Artery forceps, with side catch, 2½ in., curved	1.45
N-935	Artery forceps, with side catch, 2½ in., curved	1.40
N-940	Artery forceps, with side catch, curved points, 2½ in.	1.50
N-945	Artery forceps, with side catch, curved points, 2½ in.	1.40
N-950	Artery clamp, "Eldred", with spring catch, curved points, 2½ in.	1.50
N-955	Artery clamp, "Eldred", with spring catch, curved points, 2½ in.	1.50

N-950

N-955

Do not mutilate catalogue.—Specify section letter and number in ordering.



N-960

N-965

N-970

N-975

N-980

N-985

N-990

N-995



N-1000



N-1010



N-1005

TISSUE FORCEPS, ASSORTED

N-960	Tissue forceps, curved, three and four teeth, 4 ins.	\$1.25
N-965	Tissue forceps, curved, four and five teeth, 4 ins.	1.25
N-970	Tissue forceps, with side catch, curved, four and five teeth, 4 ins.	1.75
N-975	Tissue forceps, side catch, four and five teeth, straight, 4 ins.	1.40
N-980	Tissue forceps, side catch, one and two teeth, straight, 4 ins.	1.25
N-985	Tissue forceps, one and three teeth, 4 ins.	1.25
N-990	Tissue forceps, three and four teeth, 4 ins.	1.75
N-995	Tissue forceps, serrated points, 4 ins.	.75
N-1000	Tissue forceps, DeBakey's, four and five teeth, 4 ins.	1.50
N-1005	Tissue forceps, 2 1/2 ins., 3 ins., 4 ins., 5 ins., 6 ins., 7 ins., 8 ins., 9 ins., 10 ins.	1.50
N-1010	Tissue forceps, Mayo's, actual size, 2 1/2 ins.	.75

Do not mistake catalogue—Specify section letter and number in ordering.



N-1015

A
N-1055A**HÆMOSTATIC FORCEPS**

N-1011 Heavy hæmostatic forceps, for crushing bleeding vessels, made in three sizes, each. \$1.00
This instrument is considered to be one of the most important additions to the surgeon's armamentarium that has ever been invented. It renders the amputation or twisting of bleeding vessels impossible. One grasp of the bleeding vessel completely stops the hæmorrhage, and the inclination of adjoining tissue in the grasp is not detrimental.
The instruments have been used successfully for the last few years in Europe, and recently some of our most prominent surgeons have adopted and are recommending them highly.

- N-1053 Illustration shows method of using the Hinde's hæmostatic forceps. Write for circular.
N-1054 \$1.00 to \$1.50 + Murphy's hæmostatic forceps... 2 75
N-1055 \$1.00 to \$1.50 + original hæmostatic forceps by Hinde... 2 50



N-1020



N-1025



ARTERY FORCEPS

N-1030	Artery forceps, Kelly's, Haysman showing arterial line, $\frac{3}{4}$ in., slide lock, each	30
N-1031A	Same as above, screw lock	30
N-1032	Artery forceps, Kelly-Hopkins, curved, $\frac{3}{4}$ in., slide lock	1.00
N-1033	Artery forceps, Kelly-Hopkins, curved, $\frac{3}{4}$ in., screw lock	1.00
N-1034	Artery forceps, Jones', 1 in., screw lock	30
N-1035	Artery forceps, Jones', 1 in., curved, slide lock	30
N-1036	Artery forceps, Jones', 1 in., curved, screw lock	30
N-1037	Artery forceps, Hopkins-Kelly's, straight showing arterial line, slide lock	30
N-1038	Artery forceps, Hopkins-Kelly's, screw lock	30
N-1039	Artery forceps, Jones', 1 in., slide lock	30

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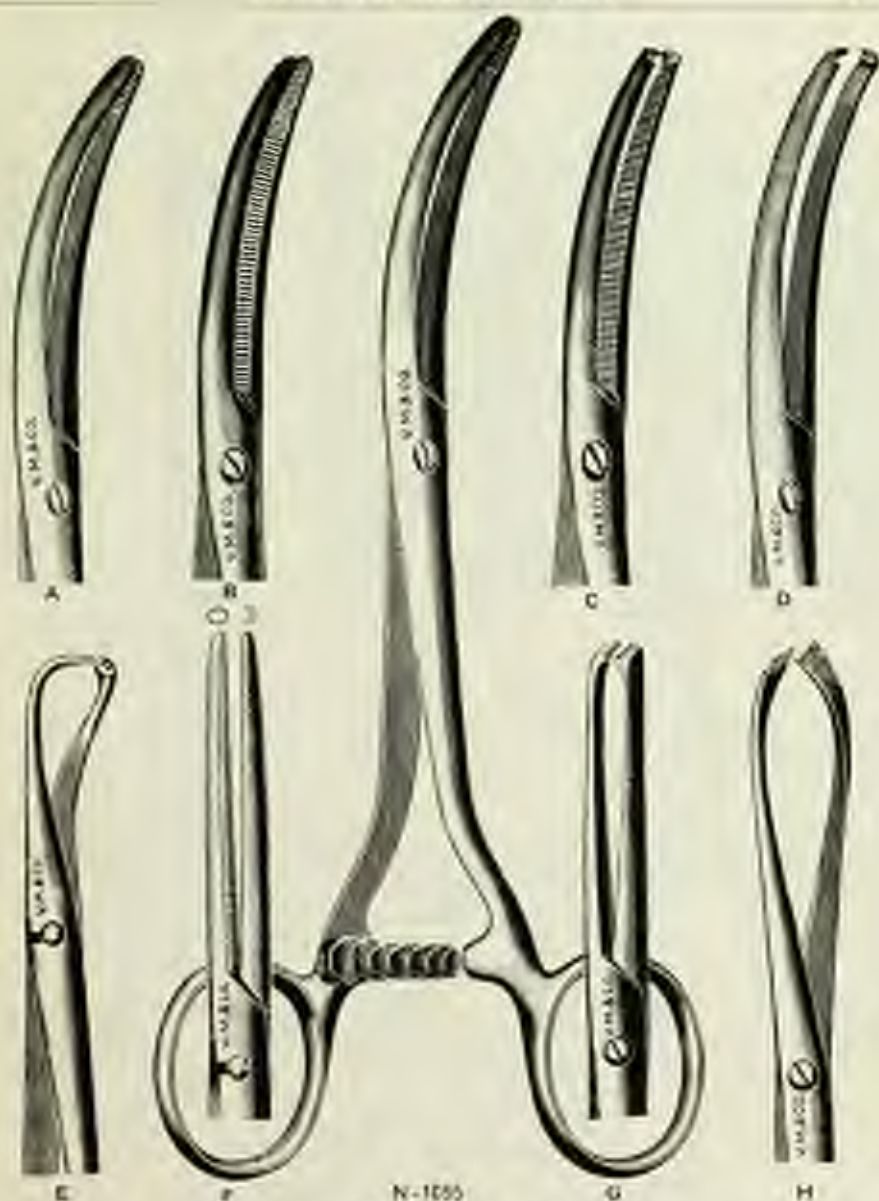


ARTERY FORCEPS—Continued

N 1040	Artery forceps, Tail's, slide lock, $4\frac{1}{2}$ in.	25
N 1041	Artery forceps, curved on flat, 5 in.	25
N 1042	Artery forceps, Halsted's, $5\frac{1}{2}$ in.	27
N 1043	Artery forceps, curved on flat, $4\frac{1}{2}$ in.	28
N 1044	Artery forceps, Halsted's, curved, 5 in.	28
N 1045	Artery forceps, Greig-Smith's, right, 5 in.	28
N 1046	Artery forceps, Greig-Smith's, left, 5 in.	28
N 1047	Artery forceps, Halsted's, $5\frac{1}{2}$ in., straight	28
N 1048	Artery forceps, Halsted's, $5\frac{1}{2}$ in., curved	28
N 1049	Artery forceps, Tail's, narrow point, curved on flat, 2 in.	28

Illustrations show actual size of forceps.

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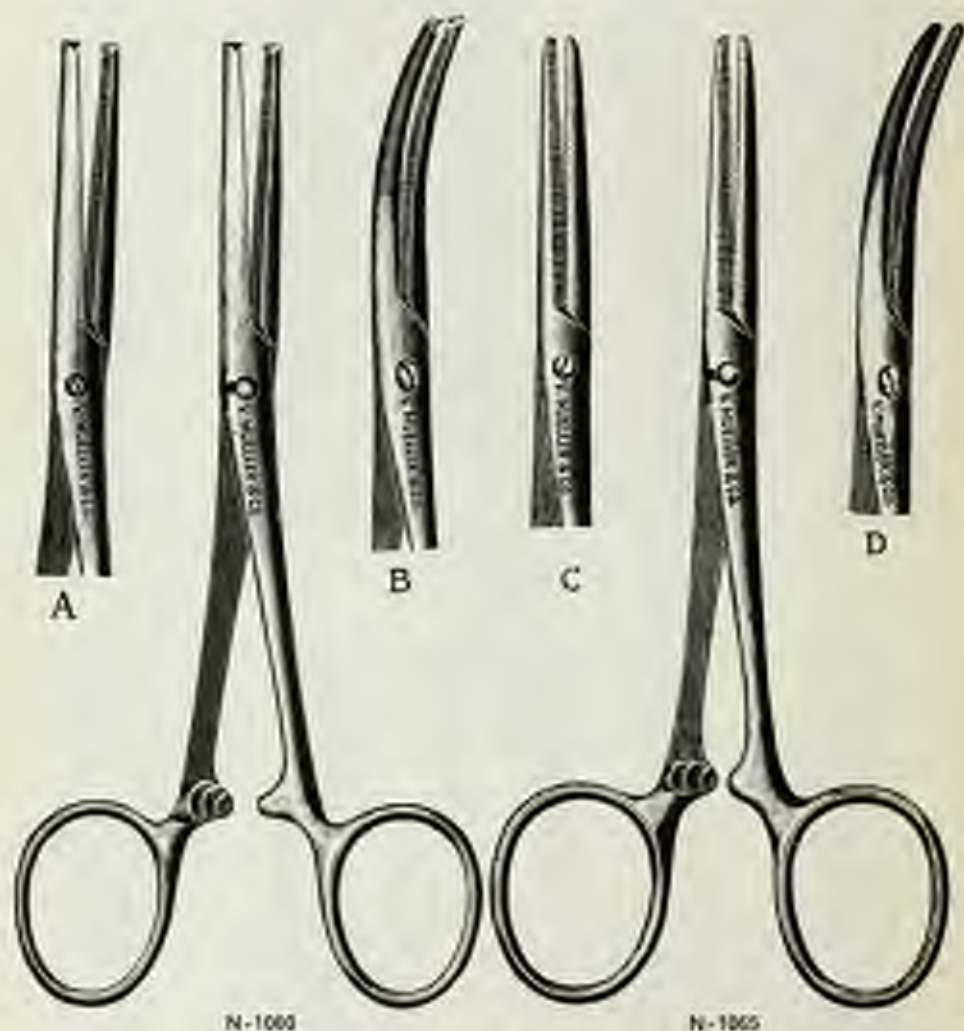


ARTERY FORCEPS, ETC.

- 10551 Artery Forceps, Paquiel's, curved on flat, 6 ins., serrated points.
 10552 Artery Forceps, Kelly's, curved on flat, 6 ins., cross serrations.
 10553 Artery Forceps, Kelly's, curved on flat, 6 ins., cross serrations.
 10554 Artery Forceps, Chalmers's, curved on flat, 6 ins., cross serrations.
 10555 Marginal hemostatic Forceps, Quinby's, 2 ins.
 10556 Nerve Forceps, Thiersch's, 6 ins.
 10557 Tissue Forceps, Mayo's, 6 ins.
 10558 Anatomical Forceps, Allis', 6 ins.

Do not mistake catalogue.—Specify section letter and number in ordering.

10551
 10552
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 10558



ARTERY FORCEPS—Continued

N-990	Artery forceps, Kocher's, straight, side lock, 4½ ins., \$0.25; 7 ins., \$0.50; 9½ ins., \$0.75
N-1000A	Artery forceps, Kocher's, straight, screw lock, 4½ ins., \$0.25; 5 ins., \$0.50; 7½ ins., \$0.75
N-1000B	Artery forceps, Kocher's, curved, screw lock, 5 ins., \$0.50; 5½ ins., \$0.75
N-1001	Artery forceps, Pean's, straight, side lock, 5 ins., \$0.25
N-1002	Artery forceps, Pean's, straight, screw lock, 5 ins., \$0.25
N-1003	Artery forceps, Pean's, curved, screw lock, 5 ins., \$0.25
N-1004	(See illustrated) artery forceps, Van Hook's, similar to Fig. N-1000A, but considerably heavier throughout, 5½ ins., \$0.25

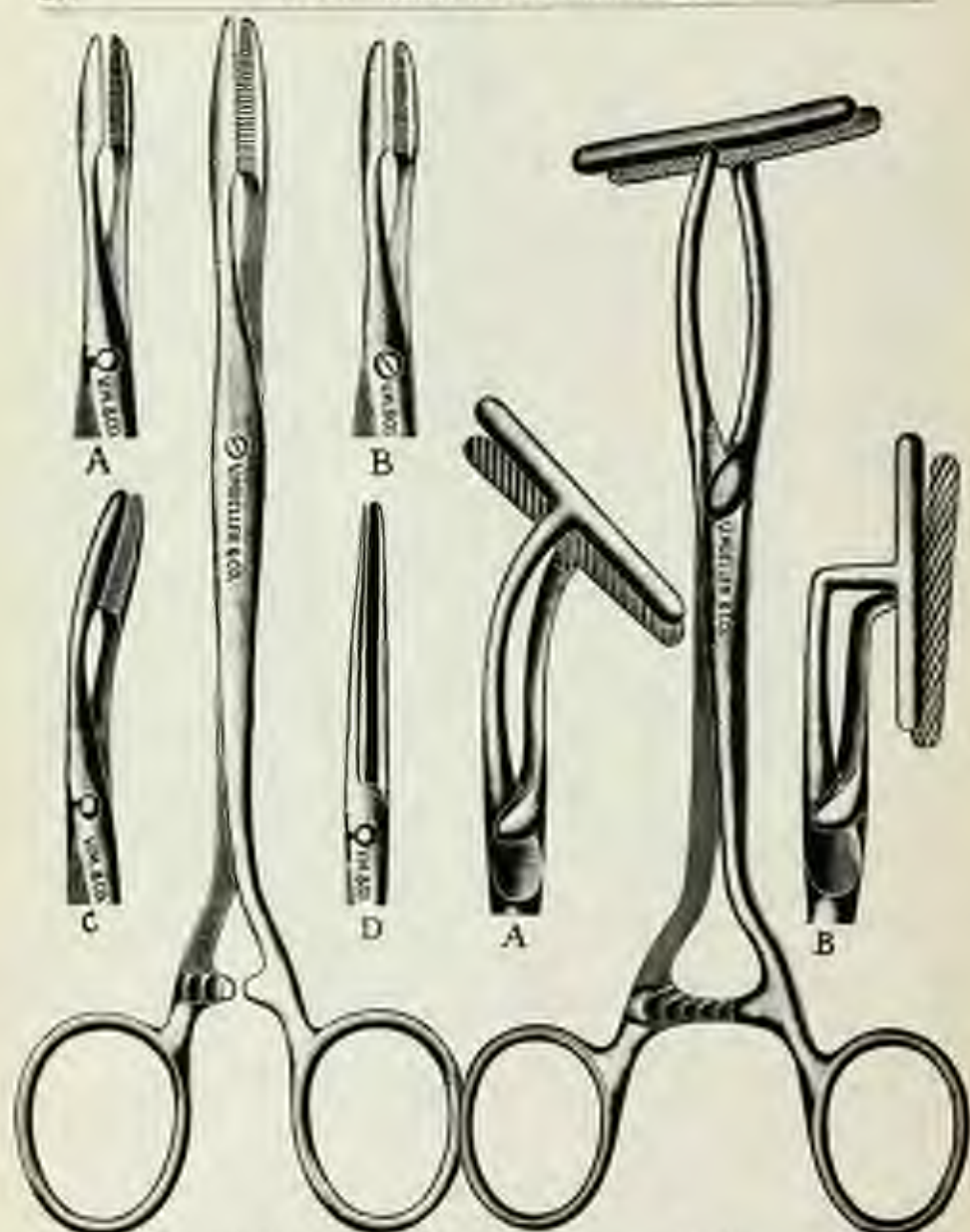
Do not mutilate catalogue.—Specify section letter and number in ordering.



ARTERY FORCEPS WITH FIVE POINTS

N-1065	Mosquito forceps, Halsted's, curved, $\frac{3}{4}$ in., screw or slide lock, serrated points	\$2.50
N-1068A	Mosquito forceps, Halsted's, curved, $\frac{3}{4}$ in., screw or slide lock, smooth beveled	1.50
N-1068B	Mosquito forceps, Halsted's, straight, $\frac{3}{4}$ in., screw or slide lock, serrated points	.75
N-1065	Mosquito forceps, Providence Hospital pattern, mortised lock, $\frac{3}{4}$ in., straight, serrated points	1.25
N-1068	Mosquito forceps, Providence Hospital pattern, mortised lock, $\frac{3}{4}$ in., curved, serrated points	1.00
N-1068	Mosquito forceps, Providence Hospital pattern, screw lock, $\frac{3}{4}$ in., straight, serrated points	.50
N-1068A	Mosquito forceps, Providence Hospital pattern, screw lock, $\frac{3}{4}$ in., curved, serrated points	1.00

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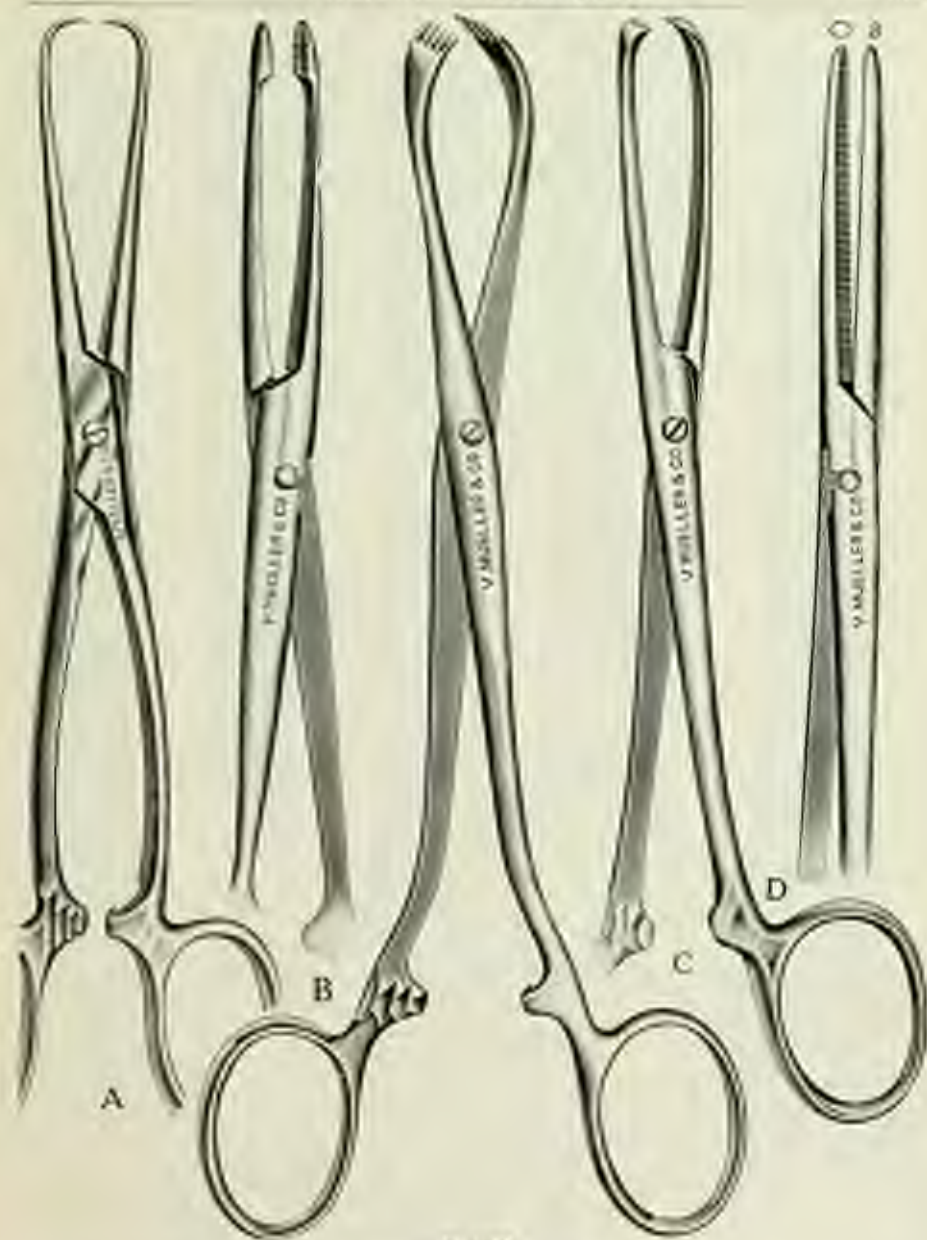
N-1090

N-1095

ARTERY FORCEPS.—Continued

N-1090	Artery Forceps, Murphy's, right thumb, 6 1/2 ins.	\$9.00
N-1091	Artery Forceps, Pean's, slide lock, 1 1/2 ins. 10 ins. 2 ins. 30 ins. 35 ins.	15
N-1092	Artery Forceps, Pean's, arrow lock, 1 1/2 ins. 10 ins. 2 ins. 30 ins. 35 ins.	25
N-1093	Artery Forceps, Pean's, slide lock, curved, 1 1/2 ins.	30
N-1094	Longerons Forceps, Allis, 3 ins. straight, 30 ins. curved.	1.00
N-1095	Artery Forceps, Pean's, T shaped, 2 1/2 ins. straight.	1.50
N-1096	Artery Forceps, Pean's, T shaped, blades 30 degrees to handle, 2 1/2 ins.	1.45
N-1097	Artery Forceps, Pean's, T shaped, blades parallel to handle, 2 1/2 ins.	1.45

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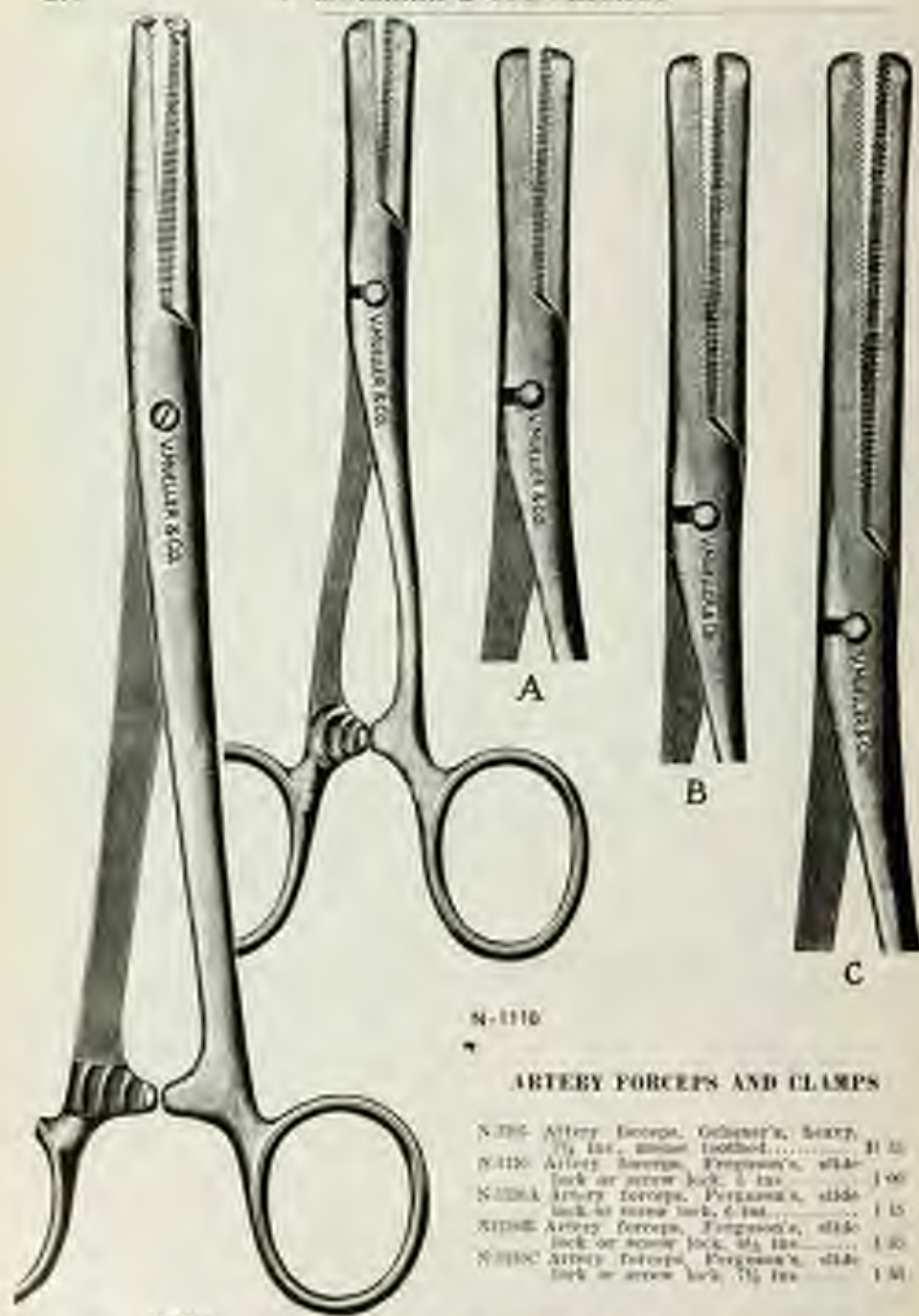


N-1500

TISSE AND TENACULUM FORCEPS

- N-1500 Tissue Forceps, Rogers', 2½ lbs.
 N-1500A Tenaculum Forceps, Ferguson's, screw lock or Collier's lock, 2½ lbs.
 N-1500B Tack Forceps, Allen's improved model, 5 lbs.
 N-1500C Tissue Forceps, Allen's, 5½ lbs.
 N-1500D Tissue Forceps, Thiersch's, 5 lbs.

Do not mutilate catalogue.—Specify section letter and number in ordering.



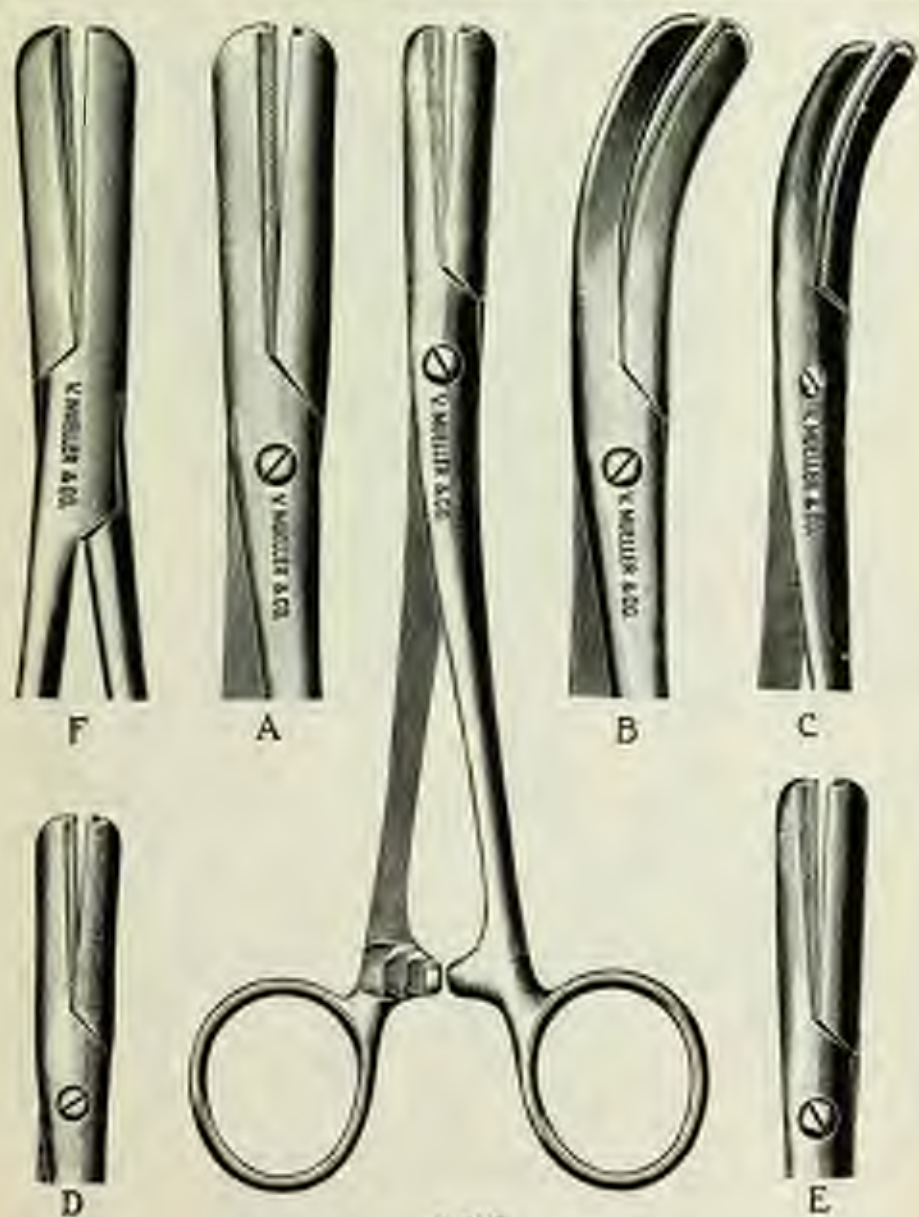
N-1110

ARTERY FORCEPS AND CLAMPS

N-1105	Artery forceps, Gehlert's, heavy, 7½ in., blunt toothed.....	\$1.25
N-1110	Artery forceps, Ferguson's, slide lock or screw lock, 5 in.....	1.00
N-1106A	Artery forceps, Ferguson's, slide lock or screw lock, 6 in.....	1.15
N-1106B	Artery forceps, Ferguson's, slide lock or screw lock, 5½ in.....	1.10
N-1106C	Artery forceps, Ferguson's, slide lock or screw lock, 7½ in.....	1.30

N-1105

Do not mutilate catalogue.—Specify section letter and number in ordering.

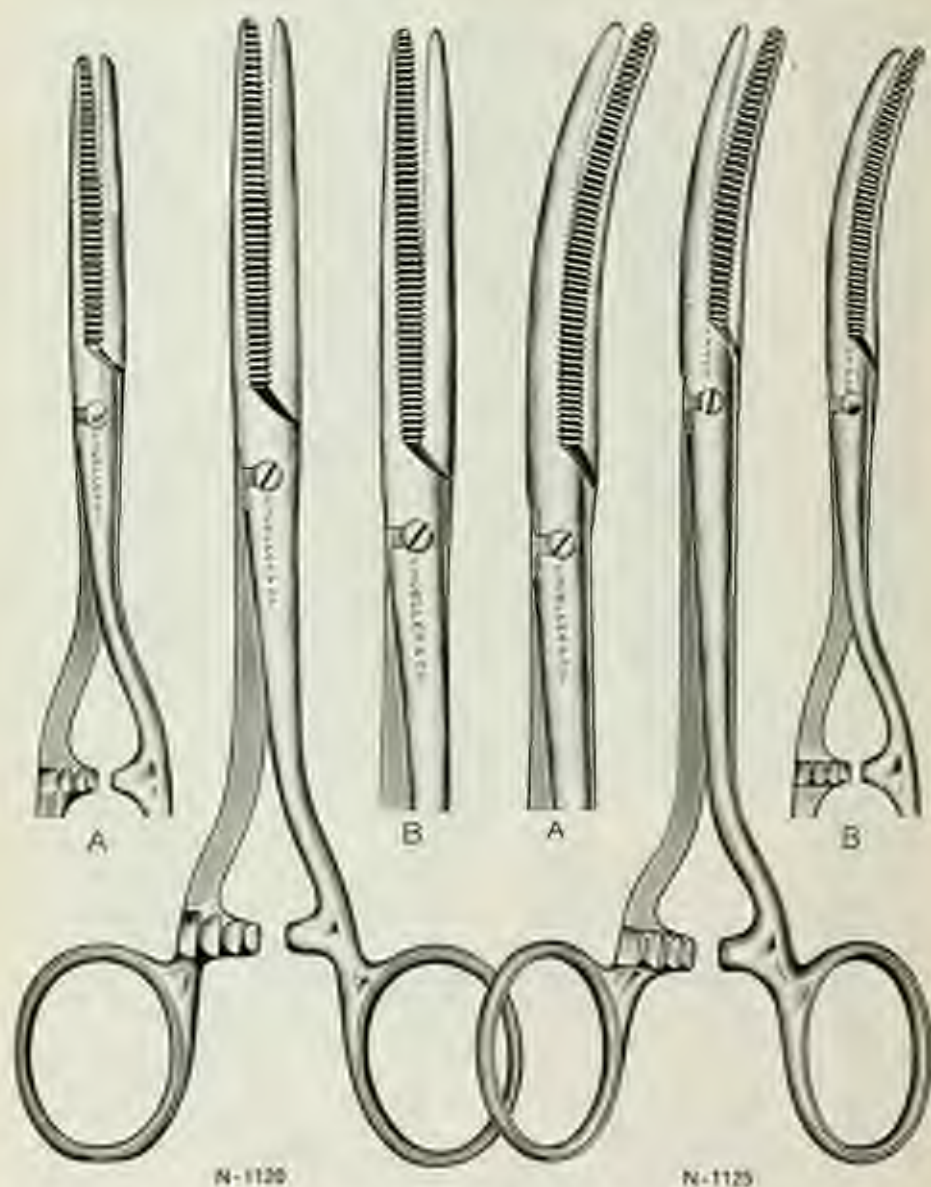


N-1115

ANGIOTOMES, FERGUSON'S

N-1105 Angiotome, Ferguson's, straight, $\frac{3}{4}$ in., 21.50	$\frac{3}{4}$ in. 1.00	25.00
S-1115A Angiotome, Ferguson's, straight, screw lock, $\frac{3}{4}$ in.		1.00
N-1115B Angiotome, Ferguson's, curved, screw lock, $\frac{3}{4}$ in.		1.00
S-1115C Angiotome, Ferguson's, curved, screw lock, $\frac{3}{4}$ in.		1.00
S-1115D Angiotome, Ferguson's, straight, normal joint, $\frac{3}{4}$ in.		1.00

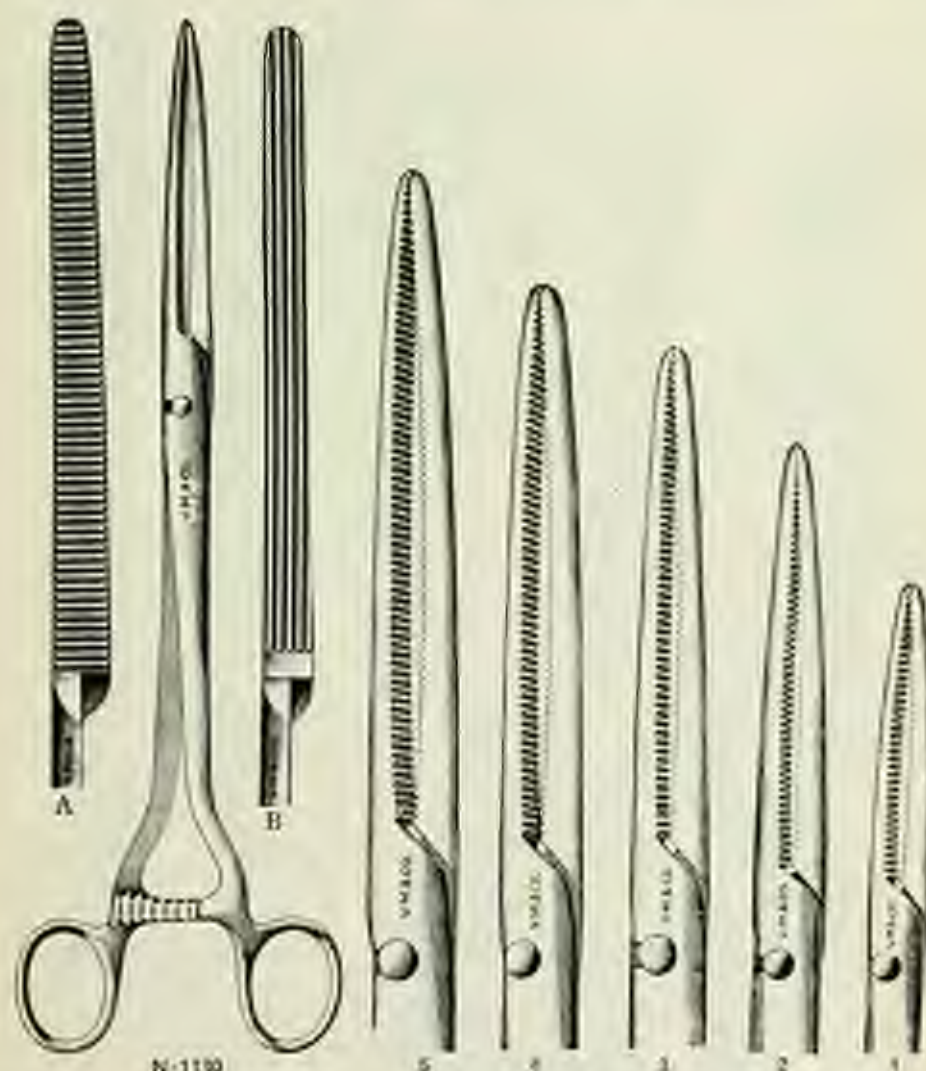
Do not mutilate catalogue.—Specify section letter and number in ordering.



HYSTERECTOMY FORCEPS

N-1120A and B, hysterectomy forceps, Ellinger's, straight, 6 ins., \$1.25; 7 ins., \$1.50; 8 ins., \$1.75.
 N-1125A and B, hysterectomy forceps, Ellinger's, curved, 6 ins., \$1.50; 7 ins., \$1.75; 8 ins., \$2.00.
 These forceps are kept in stock both with gross lock and side lock.

Do not mutilate catalogue.—Specify section letter and number in ordering.

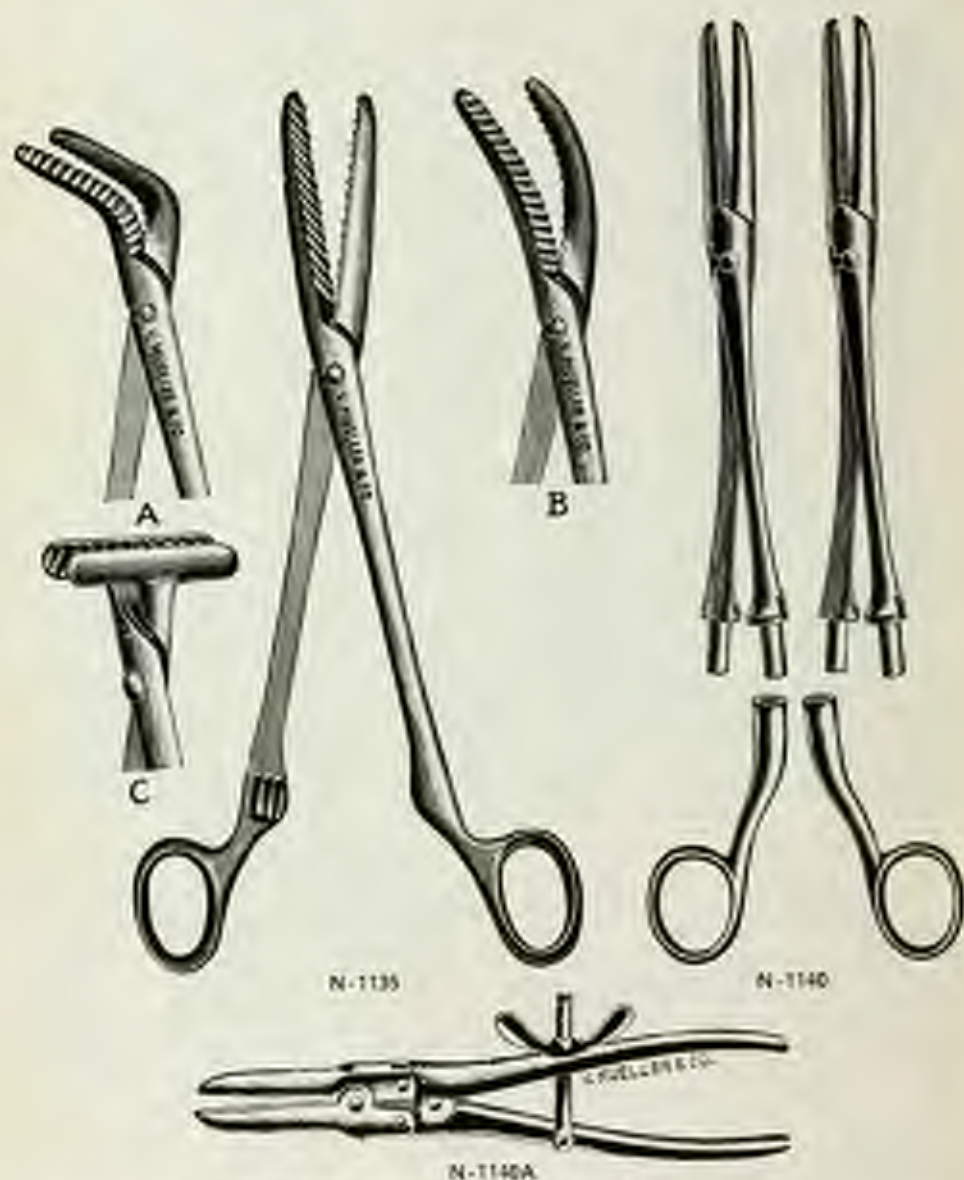


HYSTERECTOMY FORCEPS—Continued

N-1130	Hysterectomy forceps, Pean's, jaws with serrations A or B, Fig. 3, C. 189.....	\$ 22
N-1130	Hysterectomy forceps, Pean's, jaws with serrations A or B, Fig. 2, C. 189.....	1 50
N-1130	Hysterectomy forceps, Pean's, jaws with serrations A or B, Fig. 3, C. 189.....	1 50
N-1130	Hysterectomy forceps, Pean's, jaws with serrations A or B, Fig. 3, C. 189.....	2 50
N-1130	Hysterectomy forceps, Pean's, jaws with serrations A or B, Fig. 2, C. 189.....	2 50
If 189.....		2 50

These hysterectomy forceps are kept in stock both with screw lock and with slide lock.

Do not mutilate catalogue.—Specify section letter and number in ordering.



HYSTERECTOMY FORCEPS AND ANGIOTRIBES

N-1135	Hysterec-tomy forceps, Spencer-Wells', straight, 3½ lbs.	\$12.00
N-1135A	Hysterec-tomy forceps, Spencer-Wells', blades, 30 degrees to handle, 3½ lbs.	\$12.00
N-1135B	Hysterec-tomy forceps, Spencer-Wells', curved ½ circle, 3½ lbs.	\$12.00
N-1135C	Hysterec-tomy forceps, Spencer-Wells', T shaped, 3½ lbs.	\$12.00
N-1139	Hysterec-tomy forceps, Fryer's, set of 6 with one pair of detachable handles, 3½ lbs.	\$12.50
N-1140A	Angiotribe, German model, double jointed.	\$12.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



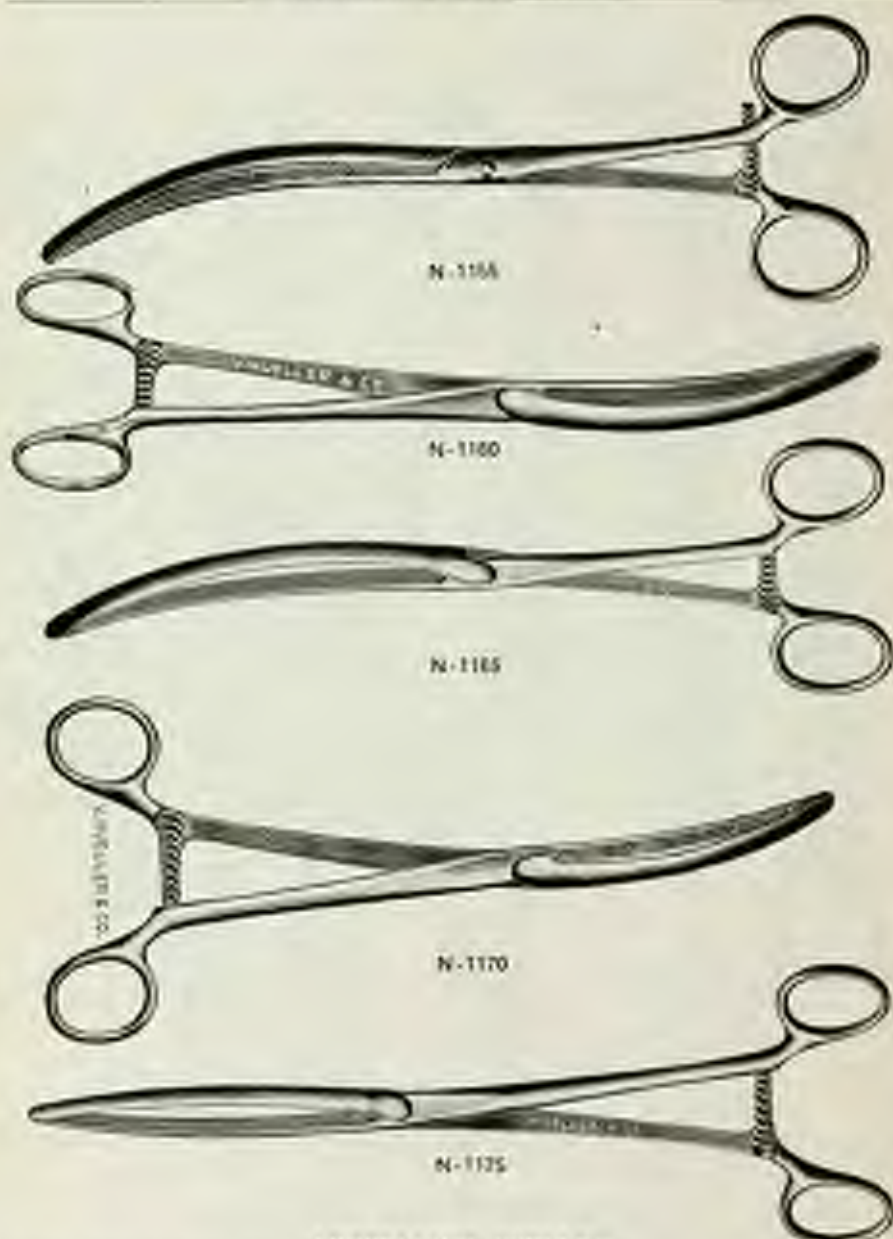
N-1145

N-1150

HYSTERECTOMY FORCEPS—Continued

N-1145	Hysterectomy forceps, Pean's, double curve, with cross or longitudinal serr.	2.00
Same, Fig. A, 25 in.		1.50
N-1146	Hysterectomy forceps, Pean's, Fig. B, 8 in.	1.00
N-1147	Hysterectomy forceps, Pean's, Fig. C, 6 in.	1.00
N-1148	Hysterectomy forceps, Pean's, angular bent, with cross or longitudinal serr.	2.00
Same, 20 in.		1.50
N-1149	Hysterectomy forceps, Pean's, Fig. A, 8 in.	1.50
N-1150	Hysterectomy forceps, Pean's, Fig. B, 6 in.	1.25

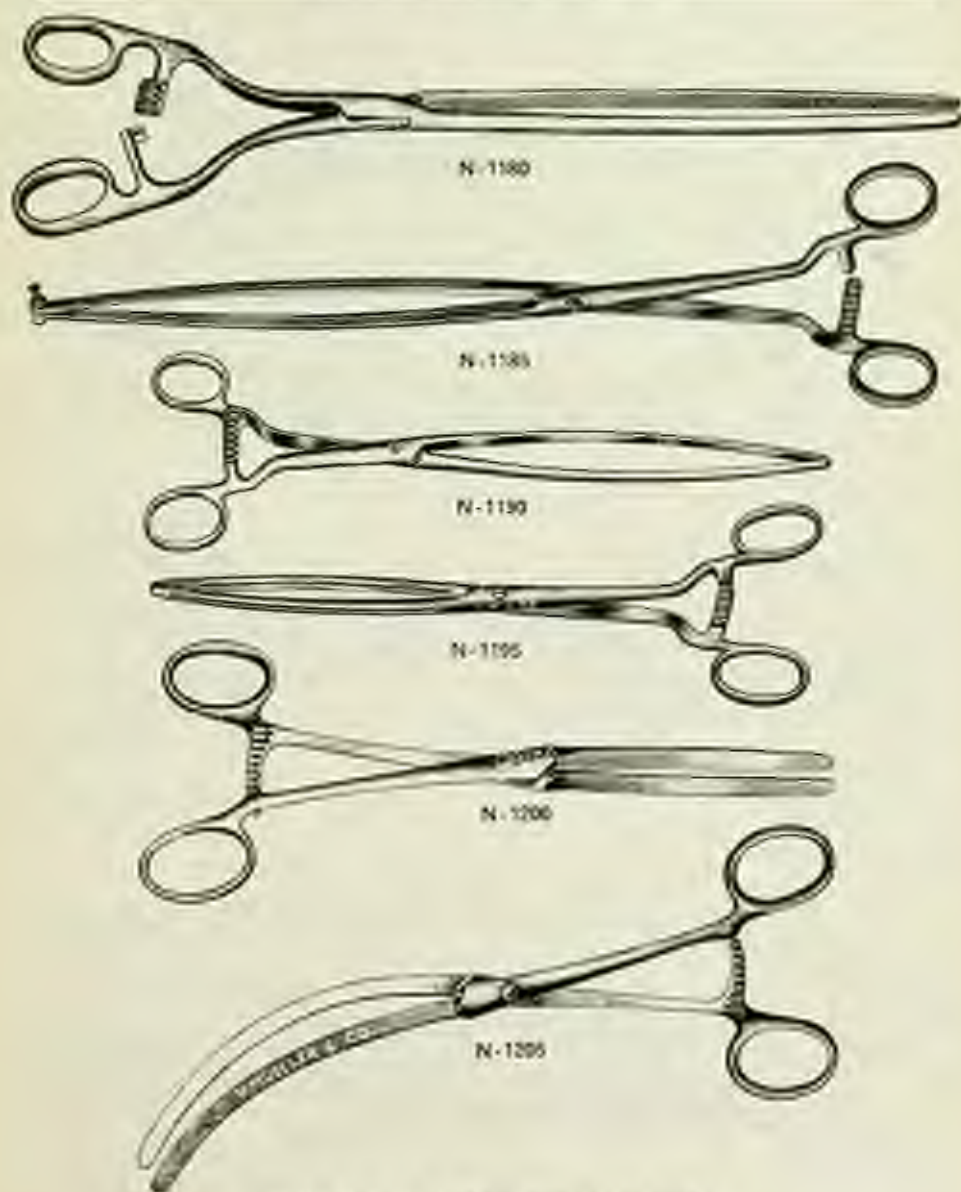
Do not mutilate catalogue.—Specify section letter and number in ordering.



COMPRESSION FORCEPS

- N-1155 Stomach clamp, Bore's, $1\frac{1}{2}$ lbs., screw or slide lock..... \$ 15
 N-1160 Stomach clamp, Collin's, longitudinal serrations, 9 lbs., screw or slide lock..... \$ 15
 N-1165 Stomach clamp, Collin's, cross serrations, 9 lbs., screw or slide lock..... \$ 15
 N-1170 Compression clamp, Wright's, $1\frac{1}{2}$ lbs., curved..... \$ 15
 N-1175 Compression clamp, Wright's, $2\frac{1}{2}$ lbs., straight..... \$ 15

Do not mutilate catalogue.—Specify section letter and number in ordering.



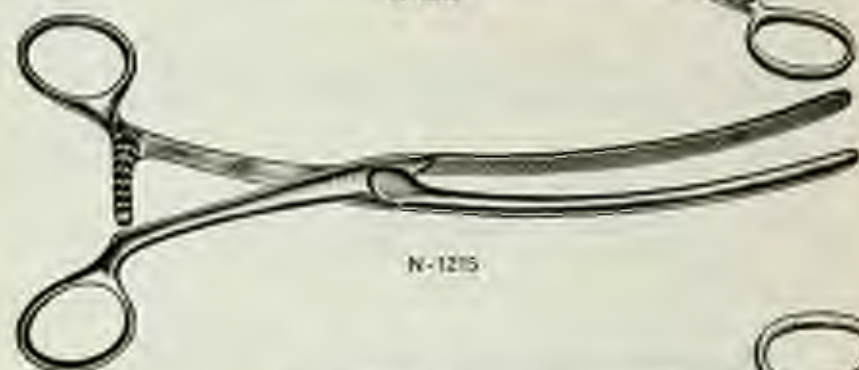
STOMACH AND INTESTINAL CLAMPS

N-1180	Stomach clamp, Bessler's, original model, 22 ins.,	25.00
N-1185	Stomach clamp, Bessler's, improved model, 22 ins., straight & curved,	4.00
N-1190	Stomach clamp, Bessler's, original model, 24 1/2 ins.,	3.00
N-1195	Stomach clamp, Bessler's, improved model, 24 ins., frustrated,	4.00
N-1200	Intestinal clamp, Navaro's, very flexible, 7 1/2 ins., straight,	1.25
N-1205	Intestinal clamp, Navaro's, very flexible, 7 1/2 ins., curved,	1.25

Do not mutilate catalogue.—Specify section letter and number in ordering.



N-1218



N-1215



N-1220



N-1225

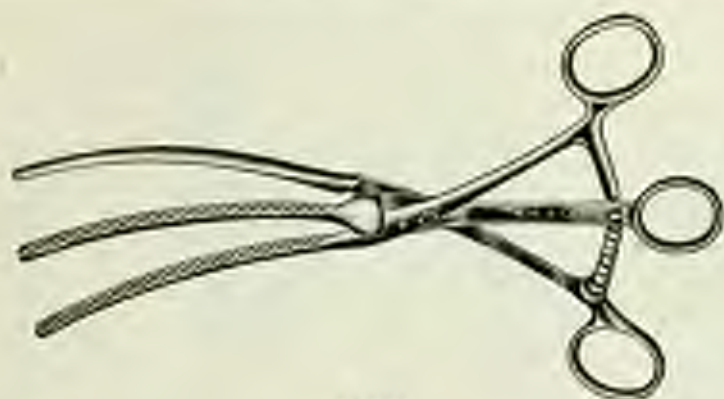


N-1225A

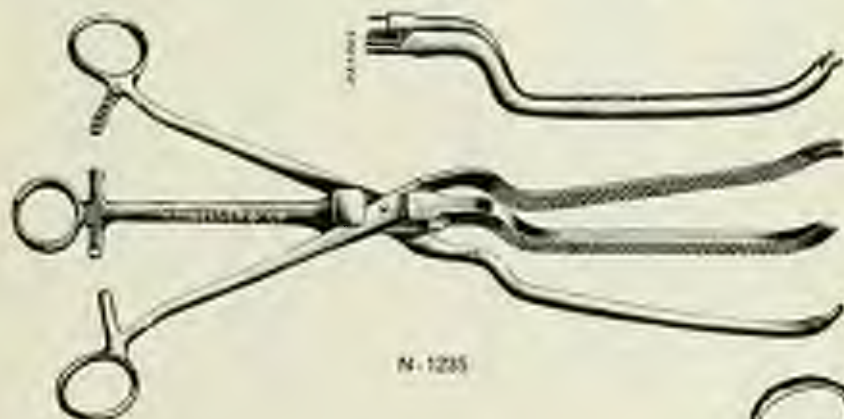
STOMACH AND INTESTINAL CLAMPS

N-1218	Stomach clamp, Mayo-Johnson's, cross serrations, curved, 8 in.	\$1.50
N-1215	Stomach clamp, Deane's, curved on flat, light transverse serrations, 8 in.	2.00
N-1220	Stomach clamp, Deane's, longitudinal serrations, bequest shape, 7 1/2 in.	2.00
N-1225	Stomach clamp, Mayhew's, straight, fenestrated, 12 in.	2.50
N-1225A	Stomach clamp, Kieker's, curved for resection, longitudinal serrations, 14 in.	3.50

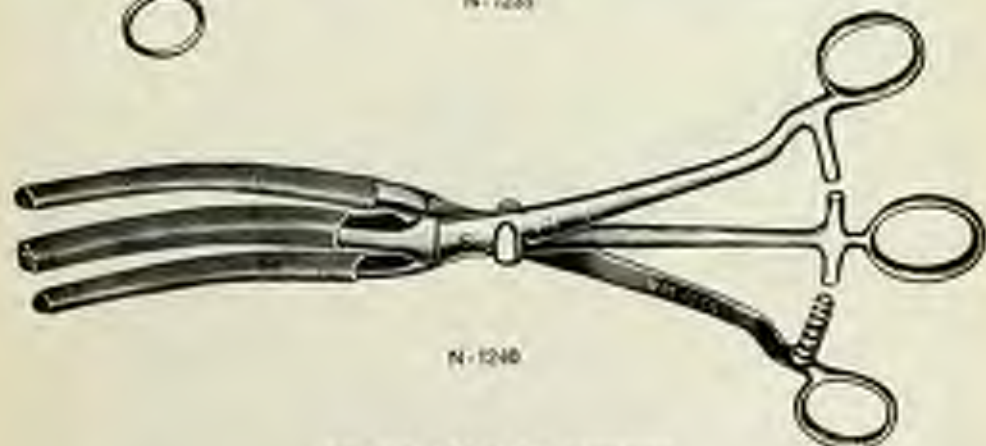
Do not mutilate catalogue.—Specify section letter and number in ordering.



N-1233



N-1235



N-1240

STOMACH CLAMPS—Continued

N-1230	Stomach clamp, Linker's, three bladed, very small, transverse position, 14 in.	\$20 00
N-1235	Stomach clamp, Lyon-Thomson, three bladed, double curve, 14 in.	11 50
N-1240	Stomach clamp, Roosevelt's, three bladed, 12½ in.	12 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



N-1245

N-1246

N-1248

N-1250

N-1255



N-1255

FULL
SMALL

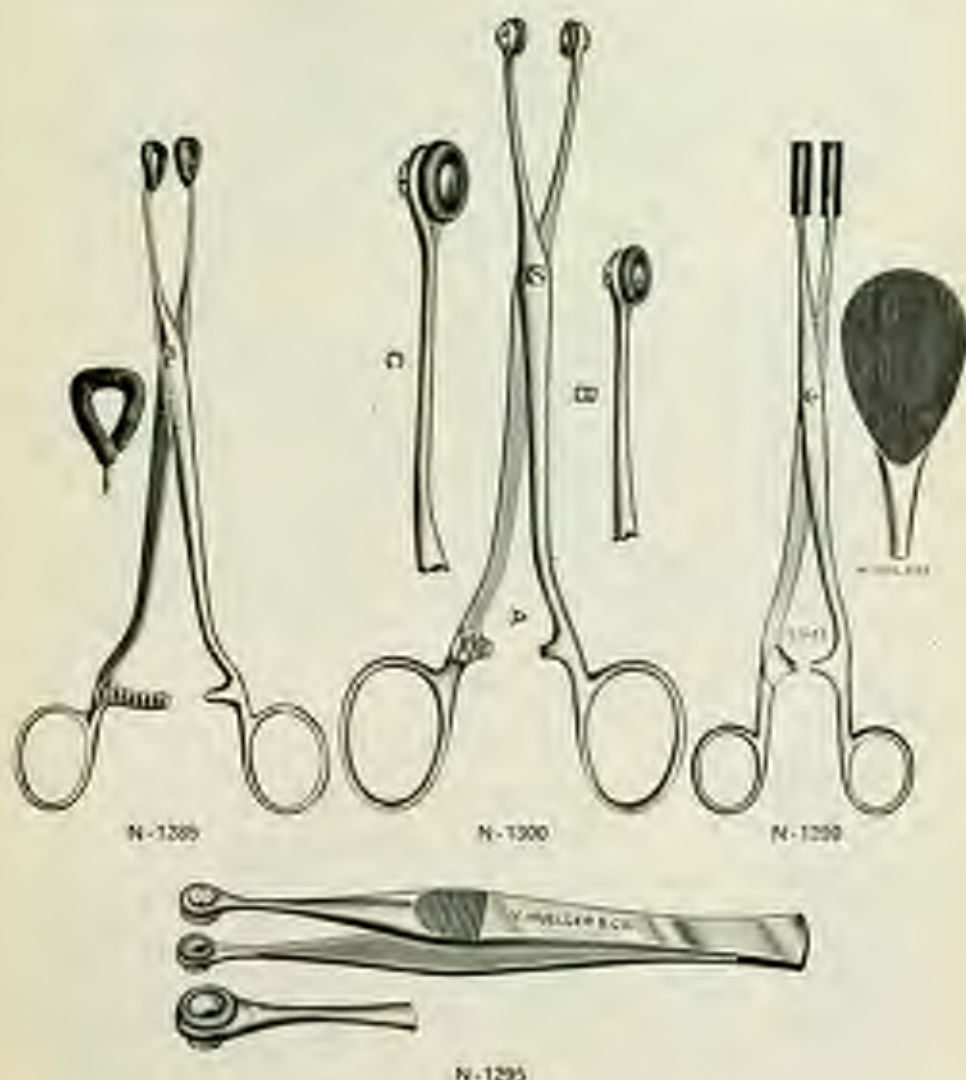
CLAMPS, SPOONS AND TUCKERS

N-1245	Hemorrhoid clamp, Weitzel's, curved, 2 1/2 lbs.	\$1.50
N-1246	Hemorrhoid clamp, Weitzel's, angular bent, 2 1/2 lbs.	1.50
N-1248	Hemorrhoid clamp, appendectomy and pile clamp, 2 1/2 lbs.	1.50
N-1250	Vaginal spoon, 6 1/2 lbs.	1.50
N-1252	Peritoneal director and depressor	1.50
N-1253	Abdominal spoon, 6 1/2 lbs.	1.50
N-1254	Appendix tucker, 6 1/2 lbs.	1.50
N-1255	Appendix tucker, 6 1/2 lbs.	1.50

N-1275

N-1280

Do not mutilate catalogue.—Specify section letter and number in ordering.

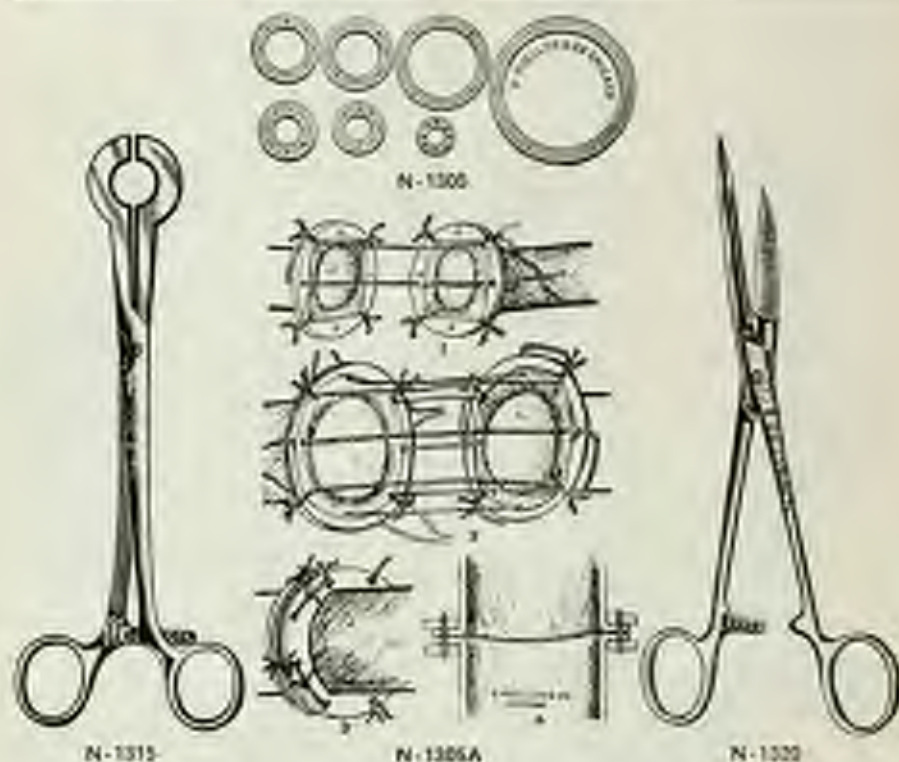


INTESTINAL FORCEPS

N-1295	Intestinal forceps, rubber-jawed, Schomburg's.....	\$5.00
N-1296	Traction forceps, child's, with rubber jaws, 3/4 in.....	2.25
N-1297	Intestinal forceps, Blount Murphy's, 5 in.....	2.50
N-1298	Intestinal forceps, Harvey's, rubber-jawed, made in two sizes, 3/4 in. & 1 in.....	2.50

The size of rubber jaws on the N-1295 and N-1296, see the figure. When they are worn out please return forceps to us and we will replace them with new ones at a moderate expense.

Do not mutilate catalogue.—Specify section letter and number in ordering.



N-1310



N-1330



N-1325

ANASTOMOSIS INSTRUMENTS

Leopold's absorbable magnesium rings and plates for blood vessel repair. By the use of these rings and plates the end to end union or the repair of longitudinal wounds in any blood vessel is easily and safely accomplished. Thrombosis rarely occurs as all the sutures and the rings are outside of the vessel lumen and not in contact with the blood stream. Rings are made in 1/2, 1, and 2 inch sizes for all arteries and veins. Plates are made in two thicknesses, one for the arteries and one for the veins. Figs. 1, 2 and 3 show method of application. Fig. 4 is a sectional view.

Journal American Medical Association
Nov. 29th, 1906.
Surgery, Gynecology and Obstetrics May, 1911.

- N-1300 Leopold's absorbable magnesium rings for end to end union of blood vessels.
 N-1310 Leopold's absorbable magnesium plates for repair of longitudinal wounds in blood vessels. Given on application.
 N-1315 Forceps for introducing Murphy's Intima, 5 in. \$1.25
 N-1320 Scissors for anastomosis, E. W. Andrews, 5 in. 5.00
 N-1325 Forceps and knife, E. W. Andrews, for the rapid and aseptic anastomosis of the blood vessels. Method of procedure described in *The Journal of the A. M. A.* May 16th, 1906. 2.50
 N-1330 Instrument forceps, Murphy's. 1.15

Do not mutilate catalogue.—Specify section letter and number in ordering.



N-1345



N-1350



N-1355



N-1360



N-1365

INTESTINAL ANASTOMOSIS BUTTONS

N-1345 Illustrates the correct shape and construction of the Murphy anastomosis button. The button we manufacture has the full approval of Dr. J. B. Murphy, to whom we submitted some several times before we put it on the market.

We wish to point out especially the shape of the spring which we use in our button. It is wider at the base than at the top, thus preventing the spring from becoming weak where it is attached to the tube.

The oval button has also been improved, the shape changed somewhat and additional holes for drainage have been added on each side.

N-1350	Murphy's anastomosis button, four sizes, each.....	\$1.50
N-1355	Murphy's anastomosis button, valve large size.....	2.50
N-1360	Murphy's special gastric-enterostomy button.....	3.50
N-1365	Murphy's oblong anastomosis button.....	4.50

Illustrations show full size of buttons.

Do not mutilate catalogue.—Specify section letter and number in ordering.



N-1370



N-1375



N-1380



N-1385



N-1390



G-1370A

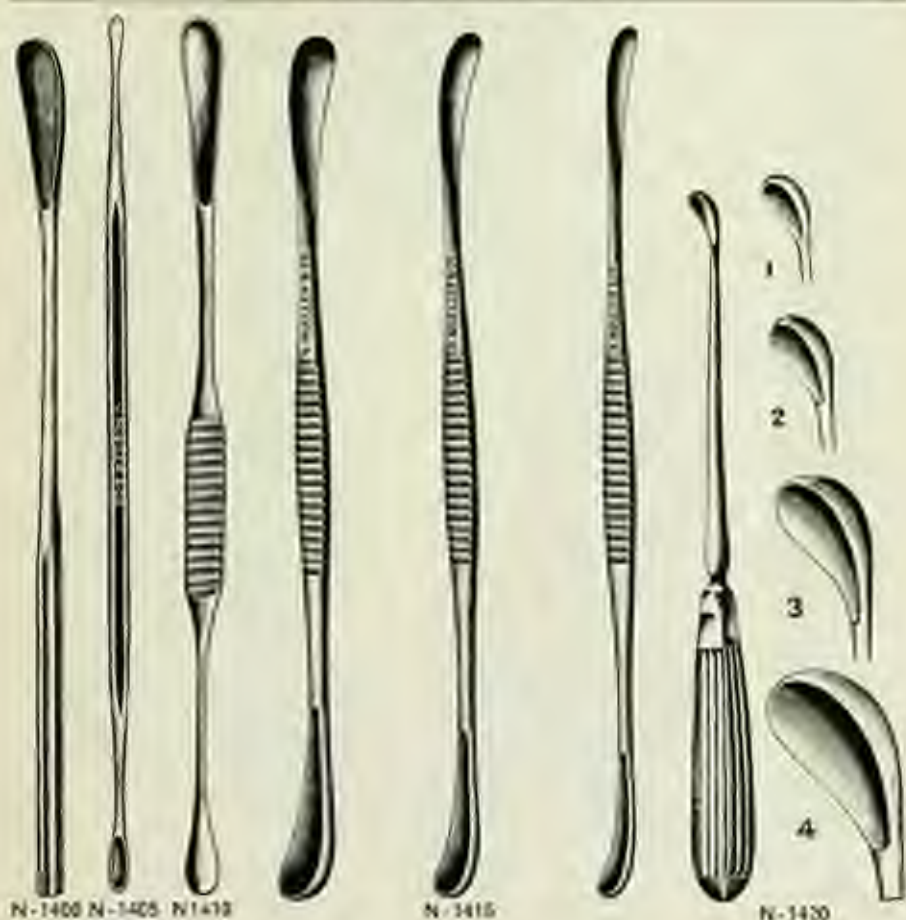
INTESTINAL AND GALL BLADDER INSTRUMENTS

N-1370 and N-1380A, gall bladder forceps, Dehner's, made in three sizes, 1, 2 and 3, each.....	\$1.50
Please order by number 1, 2 or 3.	
N-1375 Gall bladder forceps, Murphy's.....	2.50
N-1380 Gall stone forceps, Black's.....	5.00
N-1385 Yessel clamp, Loyer's.....	3.00
N-1390 Gall bladder forceps, Collins's.....	4.00
N-1395 Kidney clamp, Lister's.....	2.50

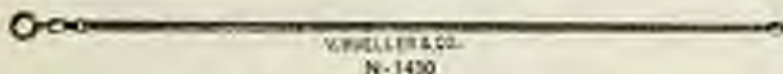


N-1395

Do not mutilate catalogue.—Specify section letter and number in ordering.



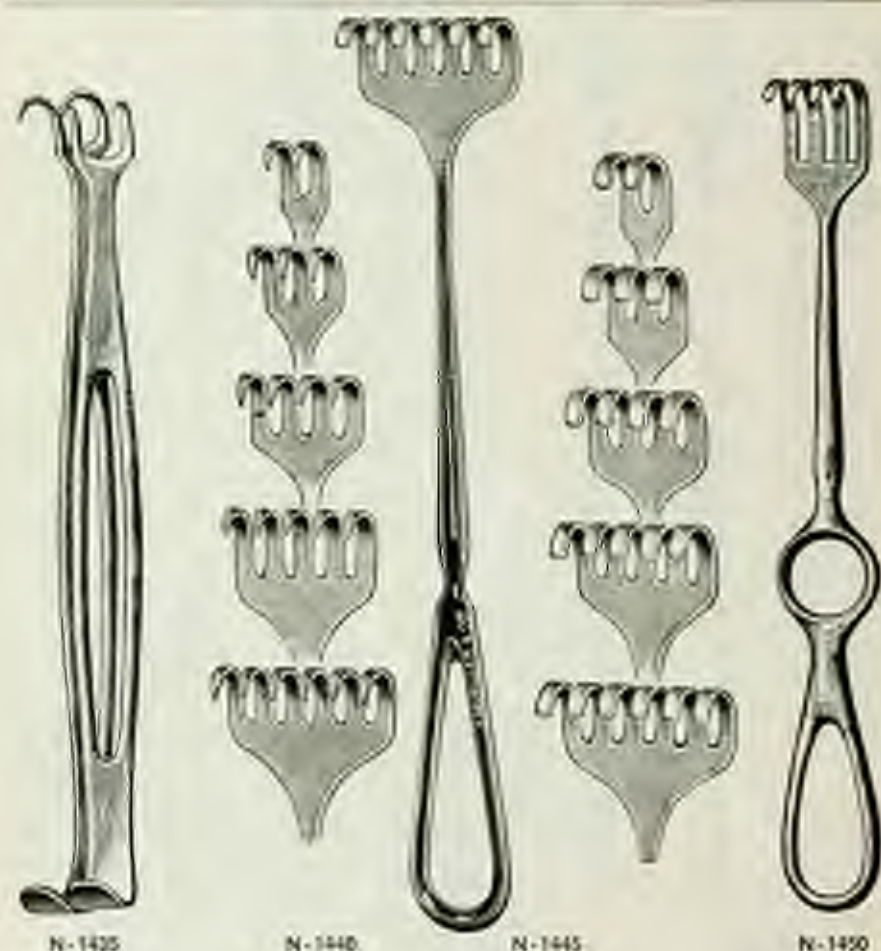
N-1425

V. HILLER & CO.
N-1430

GALL STONE SCOOPS AND PROBES

N-1400	Gall stone scoop, Mayo-Robert's, 3½ ins.	\$1.75
N-1405	Gall stone probe, director and strong, Ferguson's, made of black tin, 12½ ins.	2.00
N-1410	Gall stone scoop, Mayo's, double-sided, 5½ ins.	3.75
N-1411	Gall stone scoop, Ferguson's, six sizes, two sizes on each instrument, steel improved model, each	1.00
N-1415	Gall stone scoop, Lister-Kocher's, bone steel, each	2.00
N-1416	Gall stone scoop, Mayo's	3.00
N-1420	Gall stone probe, Frazer's, spiral, double	1.50

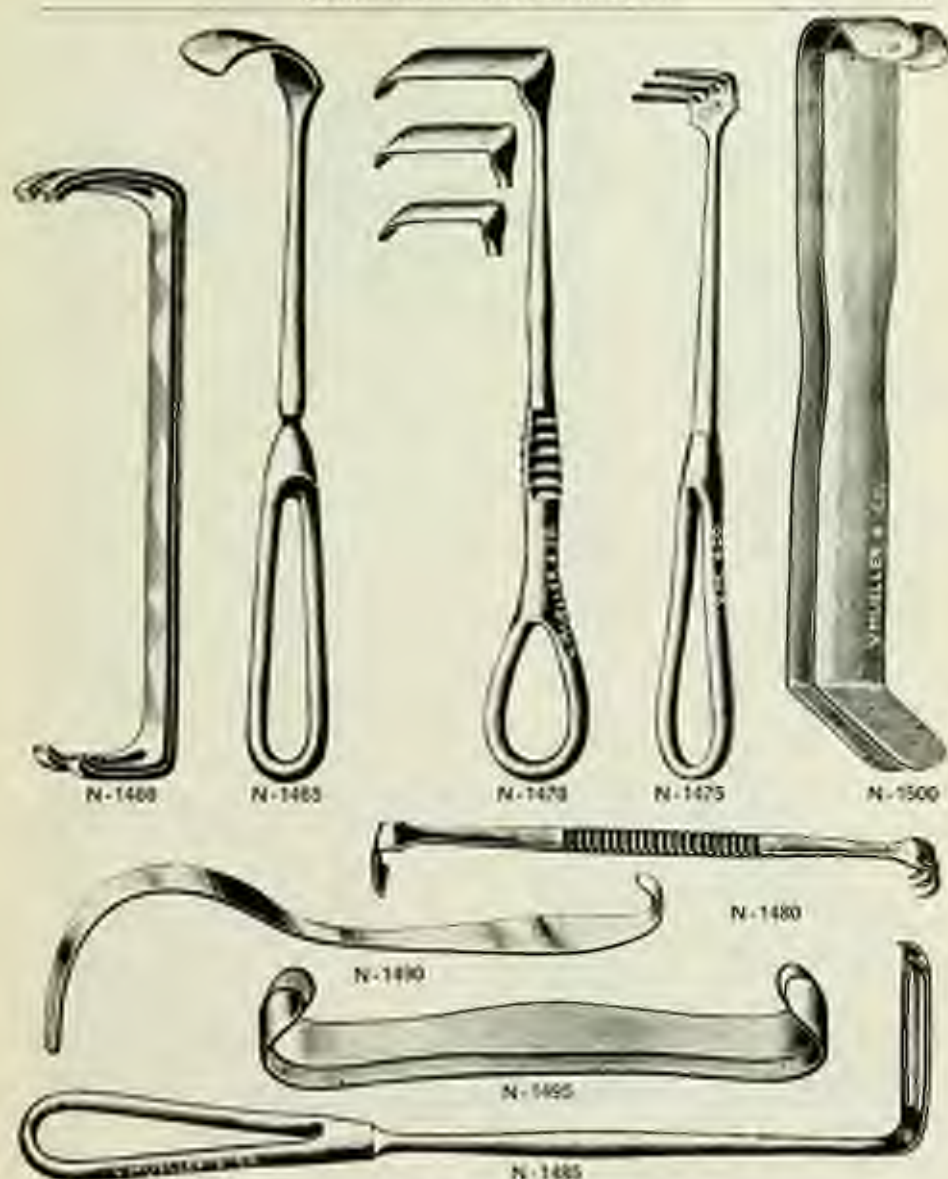
Do not mutilate catalogue.—Specify section letter and number in ordering.



RETRACTORS

N-1435	Extractor, sharp and stout, made of steel, 9 in. set of 2	\$1.25
N-1440	Retractors, Volkman's, made of steel, sharp pointed, 7 1/2 in., 7 prongs, each \$1.50; 2 prongs, each \$1.00; 5 prongs, each \$1.25	1.25
N-1445	Retractors, Volkman's, made of steel, blunt pointed, 7 1/2 in., 2 prongs, each \$1.00; 5 prongs, each \$1.25; 7 prongs, each \$1.50	1.25
N-1450	Extractor, Kohn's, made of steel, 9 in., 4 prongs, each \$1.50; 5 prongs, each \$1.75	1.75
N-1455	Retractor, Abdominal, Fother's, large 9 1/2 in., each	1.00
N-1455A	Retractor, Abdominal, Fother's, small 8 in., each	.75

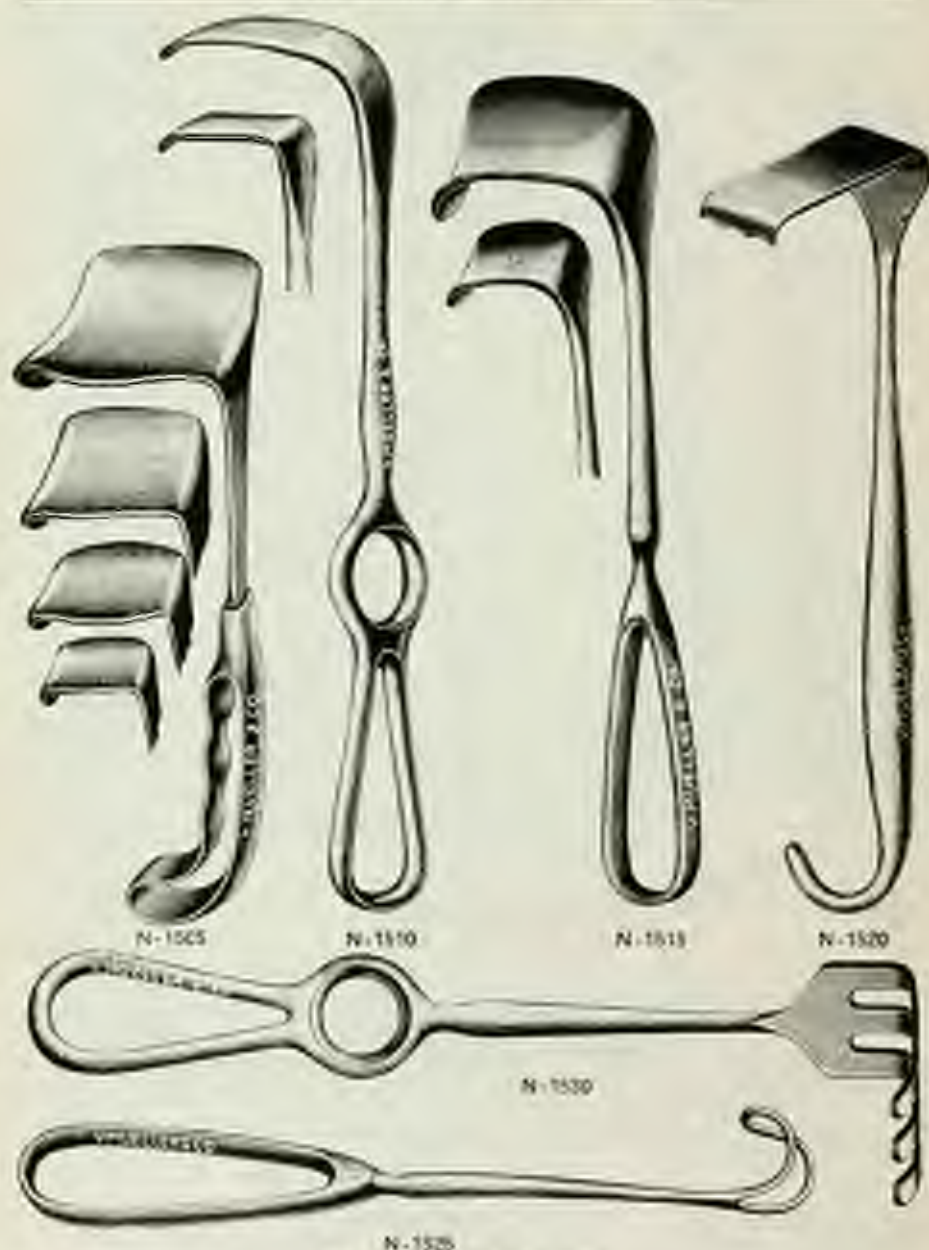
Do not mutilate catalogue.—Specify section letter and number in ordering.



RETRACTORS—Continued

N-1460	Retractor, Mayo-Cotton's, made of steel, double ended, 6 ins., one in set.	\$1.35
N-1463	Retractor, Frazer's, made of steel, 3 ins.	1.15
N-1473	Retractor, Langenbeck's, made of steel, 1½ ins., three sizes, blades 1½, 1¾, 1½	1.25
N-1475	Retractor, Billroth's, made of steel, angular bent, 7¼ ins.	1.15
N-1480	Retractor, Brown's, double ended, made of brass, nickel plated, 5 ins., pair.	.75
N-1485	Retractor, Simon's, made of steel, 3 ins.	1.75
N-1490	Retractor, Deaver's, made of steel, per pair.	1.75
N-1495	Retractor, Parker's, made of brass, nickel plated, pair.	.50
N-1500	Retractor, Helme's, made of brass, nickel plated, 5½ ins., pair.	.75

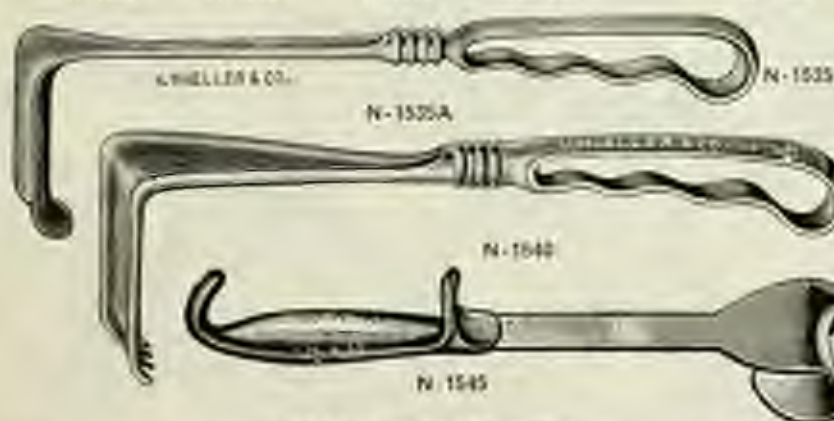
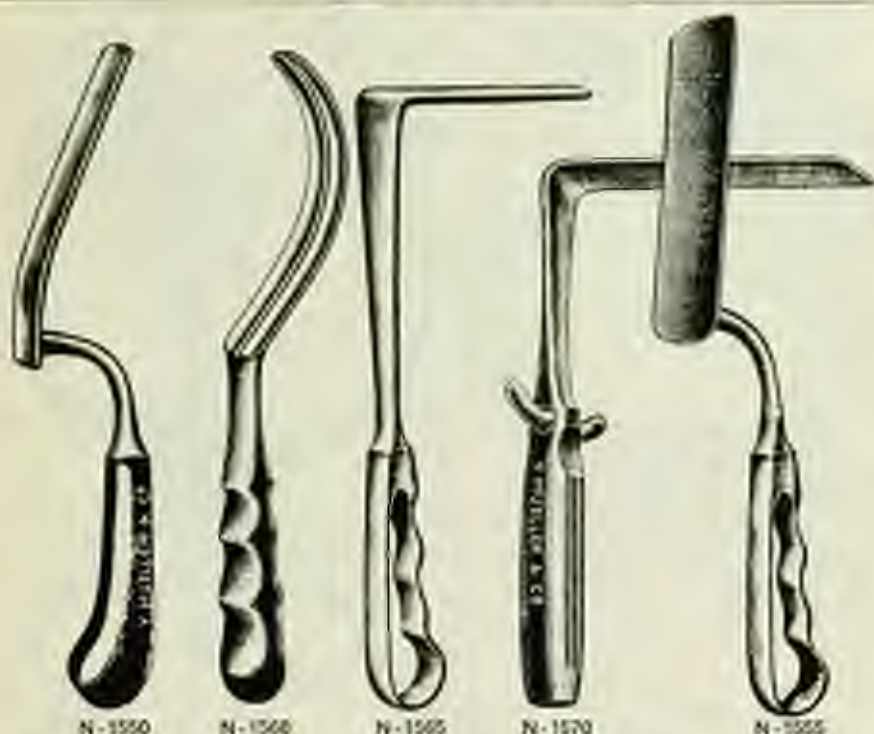
Do not mutilate catalogue.—Specify section letter and number in ordering.



RETRACTORS—Continued

- N-1505 Retractor, Kelly's, made of wrought metal, 5 ins., each blade $1\frac{1}{2}$ in. wide, \$1.50;
 2 ins., \$1.40; 3½ in. and 5½ in.
 N-1510 Retractor, Langenbeck's, two sizes, 5½ and 7 inches, made of steel, each
 \$1.50; 5 in. and 7 in.
 N-1511 Retractor, Richardson's, 5 in., two sizes, large \$1.40; small
 \$1.25; 5 in.
 N-1520 Retractor, Lamm's, made of steel, two sizes, large, 5 in., \$1.50; small, 3 in.,
 \$1.25; 5 in.
 N-1525 Retractor, Brown's, Truena's, 5½ in., made of steel, three pieces, \$2.00; five pieces,
 \$2.50; 5 in.

Do not mutilate catalogue.—Specify section letter and number in ordering.



RETRACTORS—Continued

N-1550	Retractor, Richardson's, made of wrought metal, blade 2½ in.	\$1.50
N-1555A	Retractor, Richardson's, appendectomy, three sizes, 1½ in., 2½ in., 3½ in., each.	1.50
N-1560	Retractor, Kelly's, procured, made of wrought metal, 4 sizes, length of blade, 1½, 2, 2½, and 3½ in., each.	1.50
N-1565	Retractor, Doyen's, thin steel blade, each.	1.50
N-1570	Retractor, Fryer's, broad, curved, 3½ in.	1.50
N-1575	Retractor, Fryer's, broad, straight, 3½ in.	1.50
N-1580	Retractor, Fryer's, broad, 1½ in.	1.50
N-1585	Retractor, Fryer's, 1½ in.	1.50
N-1590	Retractor, Spencer's.	1.50

Do not mutilate catalogue—Specify section letter and number in ordering.



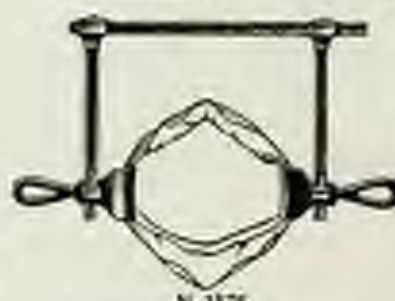
N-1595



N-1600



N-1585



N-1575

RETRACTORS—Continued

- | | | |
|--------|---------------------------------|---------|
| N-1525 | Retractor, automatic, abdominal | |
| | Brown's, especially suitable | |
| | where it is necessary to make | |
| | large incisions. Blades are | |
| | removable and can be used as | |
| | individual retractors..... | \$25.00 |
| N-1526 | Retractor, Mayo's, appendec- | |
| | to-my, 6 1/2 in..... | \$ 50 |
| N-1529 | Retractor, Mayo-Collins's, ap- | |
| | pendectomy three blades, 7 1/2 | |
| | in..... | \$ 50 |
| N-1531 | Retractor, Mayo-Kingson's, ab- | |
| | dominal, large, 10 in..... | 6.00 |
| N-1589 | Retractor, Mayo-Collins's, ab- | |
| | dominal, large, three blades, | |
| | 11 in..... | \$ 60 |



N-1590

Do not mutilate catalogue.—Specify section letter and number in ordering.



N-1600



N-1615



N-1610



N-1620



N-1625

RETRACTORS—Continued

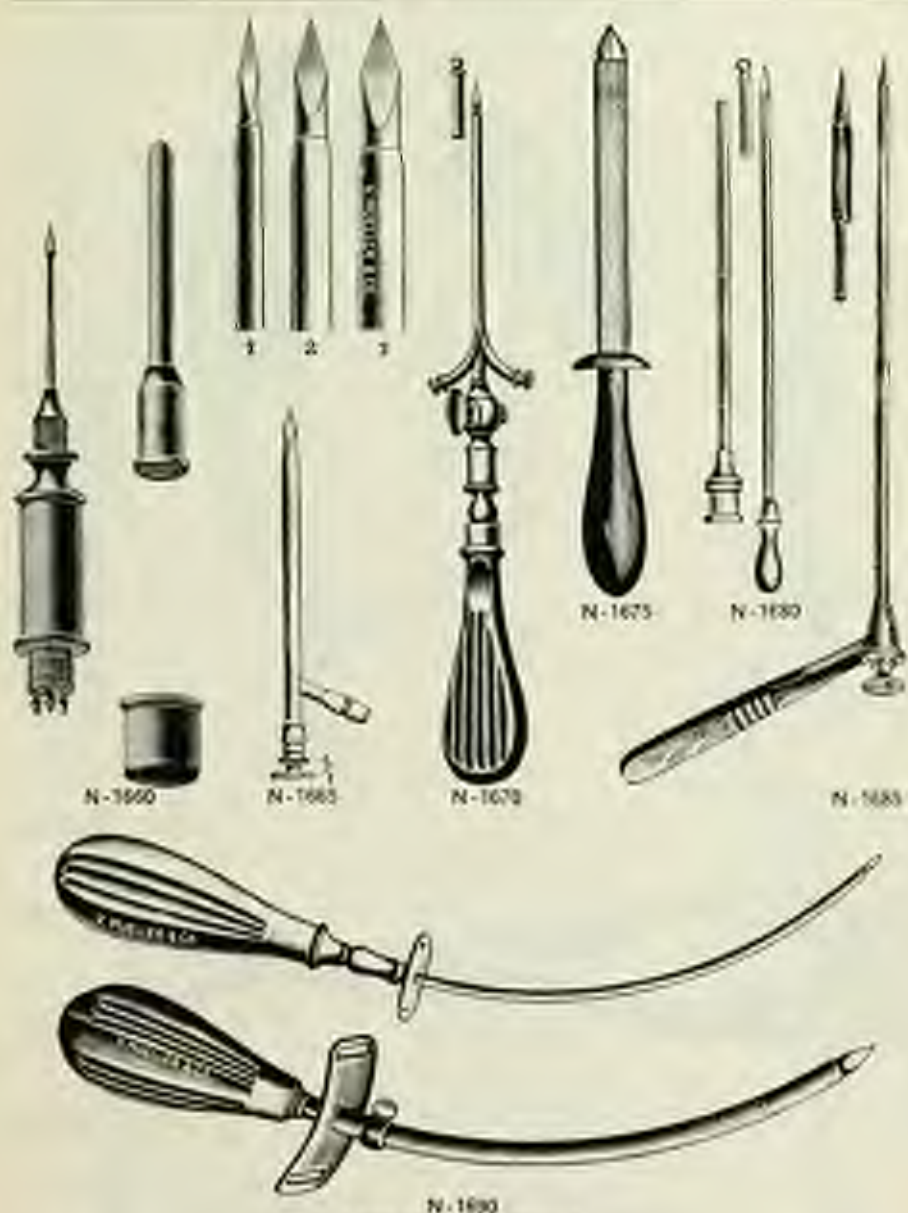
N-1600	Retractor, Colley's, abdominal, can be furnished with blades $2\frac{1}{4}$ (int. wide or $2\frac{1}{2}$ int. wide, each.....	25.50
N-1615	Retractor, Colley's, abdominal, three bladed, each.....	11.95
N-1610	Retractor, V. Mueller & Co.'s, demonstrated blades.....	9.50
N-1620	Retractor, Colley's abdominal, made with two sets of blades, large and small, with one set of blades 25.00, with two sets of blades.....	12.50
N-1625	Retractor, Starbuck's, abdominal, with two sets of blades.....	12.50



TROCARS

N 1630	Trocar, Bismuth's, small	17 00
N 1635	Trocar, Bismuth's, large, aspirator	17 00
N 1640	Trocar, Fowler's, pocket, with side aspiration	17 00
N 1645	Trocar, telescopic, three in set	17 00
N 1650	Trocar, telescopic, four in set	17 00
N 1655	Trocar, telescopic, four in set, with fat handle	17 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



TROCARs—Continued

N-1660	Trocar, Ashurst, Knicker's, set	\$2.00
N-1665	Trocar, Ashurst, set, made in three sizes, please order by number 1, 2 or 3, 25¢ each	2.00
N-1670	Trocar, Ashurst, 25¢ each	2.00
N-1675	Trocar, Ashurst, for introducing drainage tubes	2.00
N-1680	Trocar, Ashurst, set	2.00
N-1685	Trocar, Ashurst, set	2.00
N-1690	Trocar, Ashurst, set	2.00
N-1695	Trocar, Ashurst, set	2.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



N-1705



N-1695



N-1700



N-1710

INSTRUMENTS FOR SURGERY OF THE LUNG

N-685 Rib retractor, Friederich's, modified by Ferguson.....	\$5.00
N-1200 Rib elevator, Friederich's.....	5.00
N-1705 Forceps, Friederich's, for holding bronchial tube out of field of operation.....	5.00
N-1710 Forceps, Friederich's, ball pointed, for grasping the lung.....	5.00

These appliances we shall be pleased to furnish information and illustrations of apparatus used for thoracic surgery, designed by Prof. Dr. Kautschuk of Germany, modified and improved by Dr. W. Meyer of New York.

Do not mutilate catalogue.—Specify section letter and number in ordering.



N-1715



N-1735



N-1720



N-1740



N-1722A



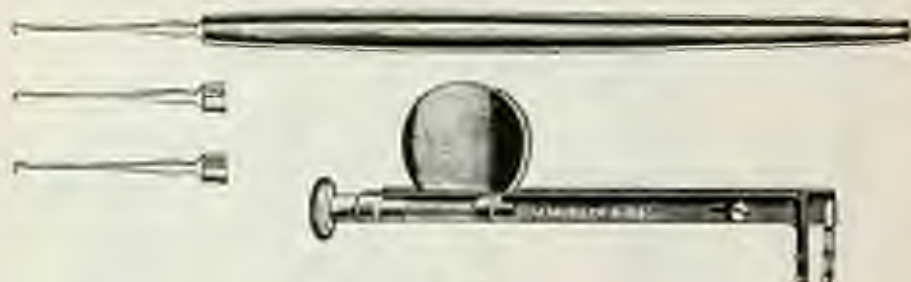
N-1725

GOITRE INSTRUMENTS

N-1711	Gland forceps, Kocher's	\$2.00
N-1720	Goitre clamp, Kocher's	5.00
N-1722A	Kocher's compressing clamp, curved sideways	4.50
N-1725	Goitre grasping forceps, A. H. Ferguson's, also suitable for gynecological work	6.25
N-1726	Woods's intubation tube, with chloroform apparatus and introducing forceps	4.75
N-1725	Dissector for goiter, spoon shaped, Kocher's	1.25
N-1728	Dissector for goiter, with hole in end, Kocher's	1.00
N-1745	Retractors for goitre operations, see Fig. N-1746, N-1747 and N-1748	
N-1752A	Turner screw for goiter, Woods's, see Fig. N-1750	1.50



N-1730



N-1755

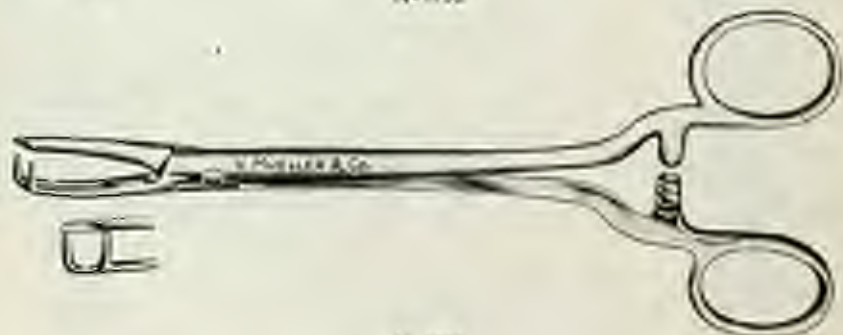


N-1760

N-1763



N-1753



N-1770

BLOOD TRANSFUSION INSTRUMENTS, ETC.

- N-1250 Canula for direct transfusion of blood, Eisberg's, with three flat hooks, 14 cm., \$12.50
Send for descriptive circular.
- N-1255 Set of canulas, Cole's, for blood transfusion, four sizes in case..... 5.00
- N-1256A Glass tubes for blood transfusion, Brewer's, (not illustrated) set of four..... 2.50
- N-1750 Clamps, Cole's, each..... 1.00
- For other sizes and shapes, see Fig. 5-525, N-923A, and N-945.
- N-1260 Tink stripper, Mayo's, made in three sizes, each..... 2.50
- N-1770 Vein stripping forceps, Mayo's..... 1.50

Do not mutilate catalogue.—Specify section letter and number in ordering.



N-1775



N-1780



N-1785



N-1790



N-1800



N-1805

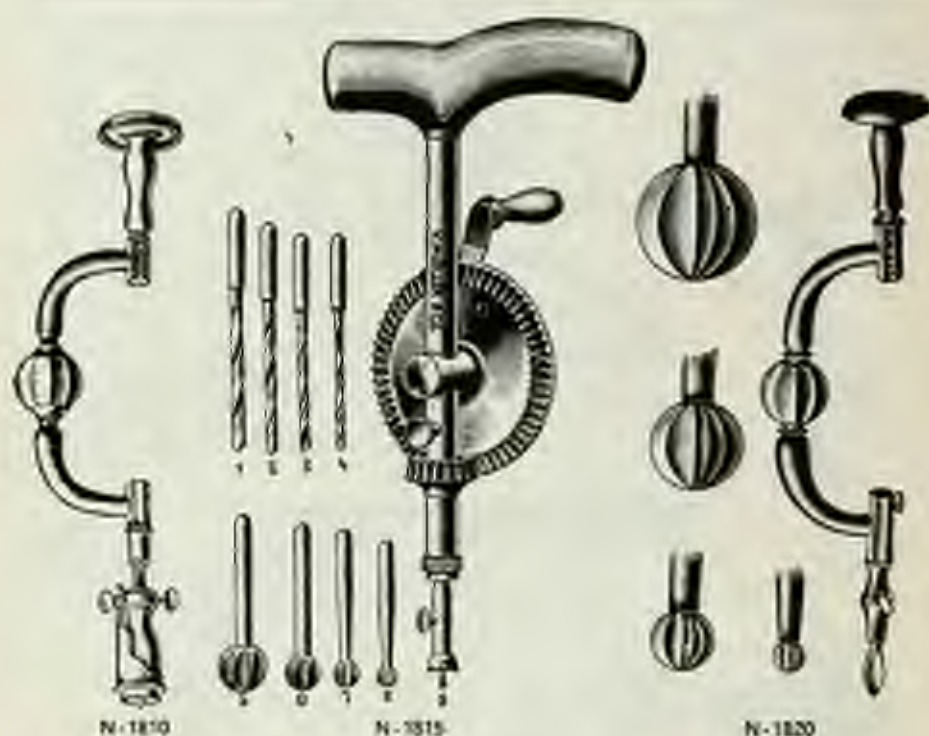


N-1795

CRANIAL INSTRUMENTS AND BONE DRILLS

- N-1775 Unisizer, Virchow's, latest model for children and adults \$12.00
 N-1780 Craniometer, Erskine's, for children and adults 50.00
 N-1785 Compass, Hudson's 1.00
 N-1790 Bony explorer, Chesser Jack-son's 2.50
 N-1795 Bone sawing engine, "Victor," 115 n. d. s., \$115.00; 120 n. d. s., \$125.00
 Send for circular describing bone surgery engine in detail.
 N-1800 Special burrs for use with bone surgery engine, 1 and 2 mm. each, \$2.75; 12 mm., each \$7.75; 15 mm., each 2.00
 N-1805 Coaxial burs, Balfour, each 2.50

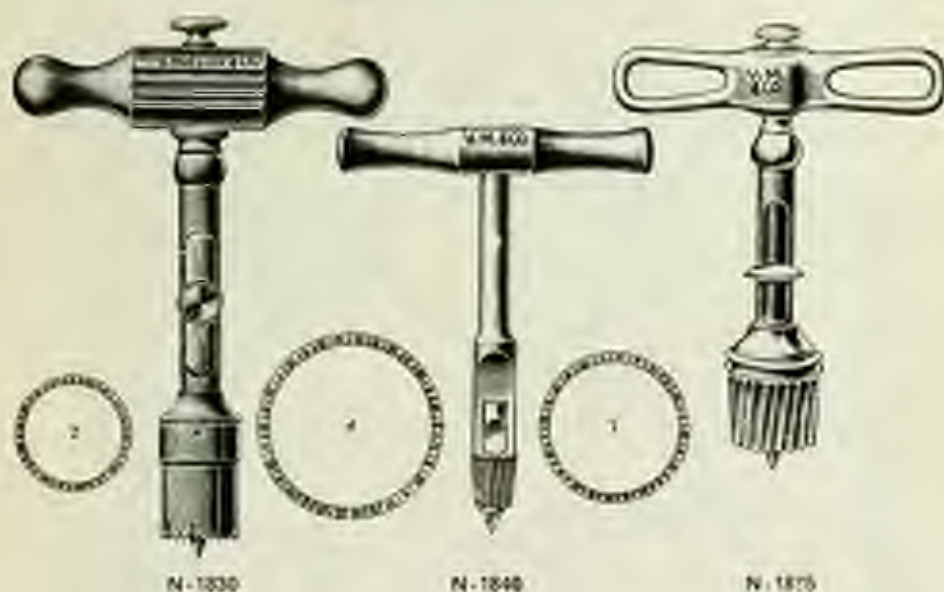
Do not mutilate catalogue.—Specify section letter and number in ordering.



CRANIAL INSTRUMENTS AND BONE DRILLS—Continued

- N-1888 Trephine brace, Andrews', with two cranks guarded.....\$15.00
- N-1889 Bone drill, Rife's, with cog wheel, complete with 5 burs and drills.....20.00
- N-1890 Trephine brace, Rogers', with four trephines and one drill.....18.50
- N-1895 Trephining brace, Hadson's, with four trephines. These trephines are made on an entirely new principle and are considered the safest instruments for opening the skull. Send for circular describing instruments in detail, also price.

Do not mutilate catalogue.—Specify section letter and number in ordering.



N-1830

N-1840

N-1875



N-1845

N-1855

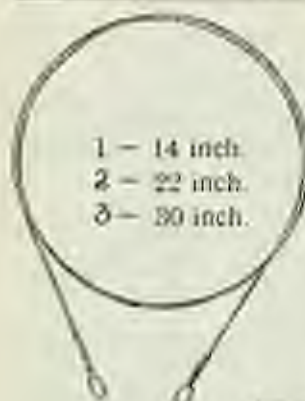
N-1850

TREPPANING INSTRUMENTS

N-1830	Trephine, Galt's, latest improved, sizes 2, 3 and 4, each	\$1.50
N-1835	Trephine, Galt's, regular model, sizes 2, 3 and 4, each	2.00
N-1840	Trephine, De Yablos, made in two sizes, each	2.00
N-1845	Trephine, round shaped, set of three for one handle, guarded, set	11.00
N-1850	Trephine, Robert's	0.75
N-1855	Brush for cleaning trephines	50

Trephines Fig. N-1830 are supplied with the same pattern as Fig. N-1835, but the crowns are longer, have five teeth and are very carefully made.

Do not mutilate catalogue.—Specify section letter and number in ordering.



1 - 14 inch.
2 - 22 inch.
3 - 30 inch.

N-1870



N-1860



N-1865



N-1875



N-1885A



N-1880



N-1885

TRIFANNING INSTRUMENTS CHAIN SAWS, GIGLI SAWS, ETC.

N 1860	Circle saw, Jeffrey's	25 00
N 1860	Needles for carrying chains and wire saws, each	20
N 1870	Wire saw, Giff's, made in three lengths, No. 1, 14 ins., 50 25; No. 2, 20 to 22 ins., 40 40; No. 3, 20 ins.	50
N 1872	Handles for chain and wire saws, pair	1 00
N 1880	Handles for chain and wire saws, plain, pair	60
N 1880	Pusher for Giff's saw in canal work, etc., each	40
N 1885A	Illustrating method of using Giff's wire saw in canal work	
N 1888	Guides, Brant's, set of three	2 15



N-1880



N-1895



N-1900



N-1905



N-1910



N-1920



N-1925

CRANIAL INSTRUMENTS

N-1895	Hook, Hager's, for blocking haemorrhage in the Dupui.	\$1.00
N-1900	Scalp haemostat, Hager's.	1.00
N-1905	Scalp haemostat, Hager's, with a compression surface.	1.00
The haemostats described have been in use for about two years, and have given great satisfaction to the operators who have used them. When these haemostats have been employed the same economy for completing cranial operations has been considerably induced.		
N-1910	Cranial chisel, Hager's, curved.	1.00
N-1915	Cranial chisel, with point on one side.	1.00
N-1920	Cranial grasp, large.	.50
N-1925	Cranial grasp, small.	.50
N-1930	Measurer, Dwyer's.	.50

N-1935

N-1920

Do not mutilate catalogue.—Specify section letter and number in ordering.



N-1350



N-1355



N-1355

TREPPANING INSTRUMENTS

- N-1352 Forceps for opening the skull, de Quervain's. The peculiar construction of this forceps enables the surgeon to cut out an osteoplastic flap sufficiently large, in a few minutes. It is provided with a bone protector which constantly keeps the bone, and the forceps does not have to be taken out and reinserted until the work is completed. 1/2 in. \$12.00
- N-1349 Forceps, de Yehine, for opening the skull, 1 in. 1.50
- N-1345 Forceps, Dupuy's, for opening the skull, 5/8 in. 1.50
- N-1358 Forceps, bone cutting, for skull and laminectomy, Chisnolt-Koyle's, 5/8 in. 1.50
- N-1357 Forceps, bone gouging, Ferguson's, powerful, with footed head, 1 in. 1.75



N-1345



N-1352

Do not mistake catalogue.—Specify section letter and number in ordering.



N-1965

N-1963

N-1973



N-1975



N-1962

TREPANING AND LAMINECTOMY INSTRUMENTS, ETC.

- N-1966 Forceps for opening the skull, Had-
son's, 30 ins.
Price upon application.
- N-1967 Forceps, Hadson's, made, used in
opening the skull, 12 ins. This is
an entirely new instrument, it has
been found very valuable in surgery
of the brain. \$12.00
- N-1970 Forceps, laminectomy, Hadson's. This
forceps is constructed on entirely
new lines, and will be found of the
greatest assistance by the surgeon
when performing laminectomy, 12 ins. \$12.00
- N-1971 Forceps, bone cutting, Hadson's,
round head, automatic points. \$4.00
- N-1972 Forceps, bone cutting, Hadson's, skull
crank head, automatic points. \$4.00
- N-1973 Forceps, bone cutting, Hadson's,
straight. \$4.00



N-1968

Do not mutilate catalogue.—Specify section letter and number in ordering.



N-1990



N-1995



N-2000



N-2005



N-2010



N-2015



N-2020



N-2025

BONGER FORCEPS AND BIL SHEARS

N-1990	Forceps, bone grasping, Lang's, straight	\$1.75
N-1995	Forceps, bone grasping, Lang's, curved	2.00
N-2000	Forceps, bone grasping, Lang's, 1/2 in. bowl, 2 in. bowl	2.50
N-2005	Forceps, grasping, Hoffman's, straight, 1/2 in. bowl	4.00
N-2010	Bil. shear, Bonger's. This bil. shear is constructed in a very ingenious way which enables the operator to secure a great amount of power with comparatively small effort. It is highly recommended by the surgeons who have had an opportunity to use it.	8.50
N-2015	Bil. shear, Bonger's	12.00
N-2020	Bil. shear, Callie's, made in two sizes. 7 1/2 in., \$1.00; 10 1/2 in., \$1.50	2.50
N-2025	Bil. shear, Miller's, 7 1/2 in.	3.00

Do not mutilate catalogue—Specify section letter and number in ordering.



N-2030



N-2040



N-2045



N-2050



N-2055



N-2065

BONE CUTTING FORCEPS

N-2030	Forceps, bone cutting, Liston's, straight, $7\frac{1}{2}$ ins., \$2.50; $9\frac{1}{2}$ ins., \$3.00	\$1.75
N-2035	Forceps, bone, Liston's, (not illustrated) straight and curved, $7\frac{1}{2}$ to 8 ins. long.	2.00
	Keen's fine quality, each \$2.50 and	2.00
N-2040	Forceps, bone, Liston's, extra heavy, 8 ins., \$2.00; $9\frac{1}{2}$ ins., \$1.00; 11 ins., \$1.00	1.00
N-2045	Forceps, bone, curved on flat, $7\frac{1}{2}$ ins., \$1.75; $8\frac{1}{2}$ ins., \$1.75	1.75
N-2050	Forceps, bone, curved oblique, 7 ins., \$2.75; 8 ins., \$2.75	2.75
	N-2050, N-2045 and N-2040 can be furnished with screw lock.	
N-2055	Forceps, bone, Liston's, 9 ins., \$1.00	1.00
N-2065	Forceps, bone, Liston's, 9 ins., \$1.00	1.00
N-2065	Forceps, bone, May's, straight, extra heavy, thin cutting blades, 11 ins., \$1.00	1.00

Do not mistake catalogue.—Specify section letter and number in ordering.



N-2070

N-2075

N-2080

N-2085

N-2090

N-2095

N-2100

N-2105



N-2110

N-2115

N-2120

N-2125

N-2130

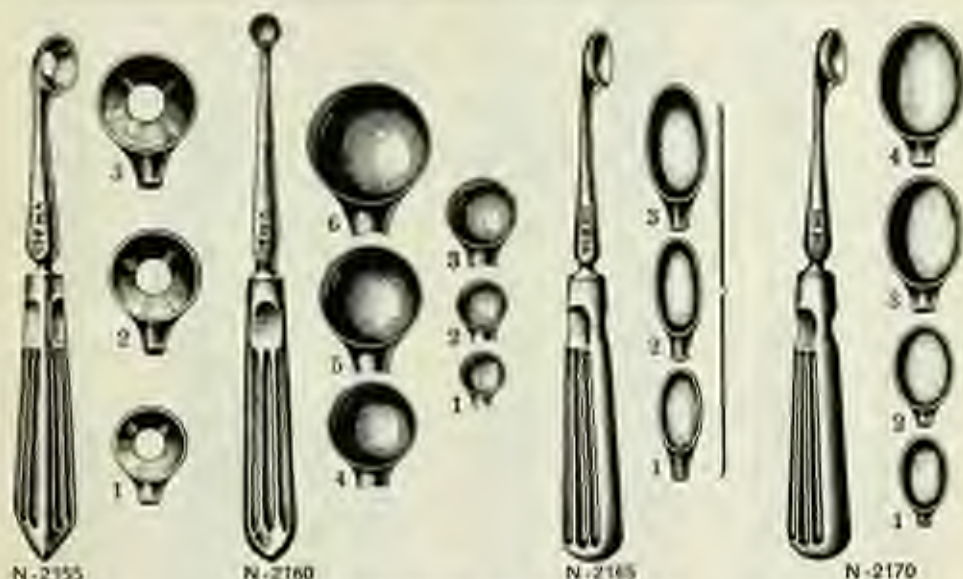
N-2135

N-2140

N-2145

N-2150

Description next page.

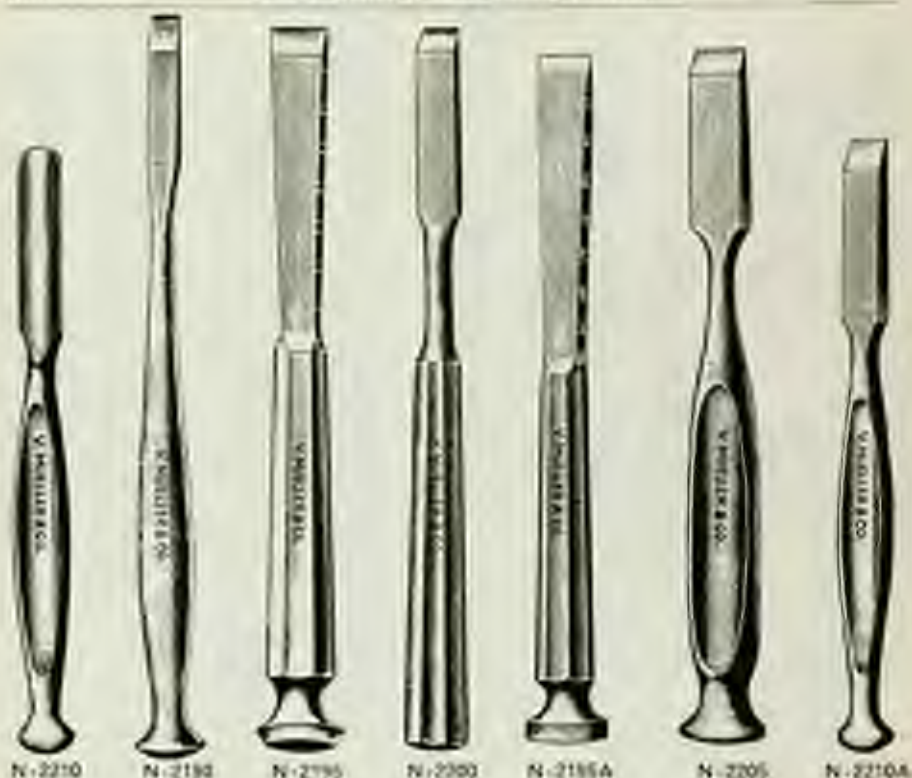
ELEVATORS, RASPATORIES AND
DISSECTORS

N-209	Raspator, Dupuy's, for nasal polyp	22 25
	beam, 5 ins.	
N-207	Raspator, Olier's, 5 ins.	1 20
N-208	Raspator, Langenbeck's, 1 ins.	1 00
N-209	Raspator, Langenbeck's, 2 ins.	1 00
N-210	Raspator, Langenbeck's, 3 ins.	1 00
N-211	Raspator, Langenbeck's, angled, 5 ins.	1 25
N-212	Raspator, Mathien's, straight rib	1 00
	4 1/2 ins.	
N-213	Raspator, Mathien's, curved rib	1 00
	4 1/2 ins.	
N-214	Raspator and elevator, Mathien's	25
N-215	Raspator and elevator, Mathien's	25
	4 ins.	
N-216	Dissector and incisor, Adam's	25
	made of steel, 11 1/2 ins.	
N-217	Dissector, Watson-Cherry's, 2 ins.	1 00
N-218	Elevator and bone scoop, Ferguson's	1 00
	4 1/2 ins.	
N-219	Elevator and periosteal, Keyes's	1 00
	No. 1, 1/2 ins.	
N-220	Elevator and periosteal, Keyes's	1 00
	No. 2, 3/4 ins.	
N-221	Incisor and elevator, Kocher's	1 00
	made of steel	
N-222	Dissector and elevator, Kocher's	50
	made of brass	
N-223	Bone curette, Larr's, furnished	1 50
	three sizes, 1 ins., each	
N-224	Bone curette, Larr's, six sizes, 7 ins.	1 25
	each	
N-225	Bone curette, long oval bowl, 7 ins.	1 00
	three sizes, each	
N-226	Bone curette, Volkmann's, oval bowl	1 25
	four sizes, made in two lengths, 2 ins., each \$1.25, 3 ins., each	
N-227	Bone curette, Volkmann's, straight	2 00
	three sizes, each	
N-228	Bone curette, double ended, Volkmann's	1 00
	two sizes, each \$1.25, 3 ins., each	
N-229	Bone curette, Volkmann's, curved, furnished	1 00
	4 1/2 ins., each \$1.25, 5 1/2 ins., each	



N-2180 N-2185 N-2175

Do not mutilate catalogue—Specify section letter and number in ordering.



N-2210

N-2192

N-2195

N-2200

N-2195A

N-2205

N-2210A



N-2215



N-2205A



N-2220

BONE CHISELS AND GOUGES

N-2199	Chisel, bone, Knill's, 1 1/2 in.	\$1.50
N-2202	Osteotome, McIlwain's, beveled edge, three sizes, 7 in., each	1.25
N-2204A	Osteotome, McIlwain's, straight edge, three sizes, 1 in. each	1.25
N-2206	Osteotome, Hask's, three sizes, beveled edge, 7 in., each	1.25
N-2206	Osteotome, Galt's, three sizes, beveled edge, 7 in., each	1.25
N-2208A	Illustrative width of osteotomes, N-2200, N-2204A, N-2206 and N-2208	
N-2210	Gouge, bone, Galt's, 6 1/2 in., made in two sizes, 5 and 10 mm. wide, each	1.25
N-2210A	Chisel, bone, Galt's, 2 1/2 in., made in two sizes, 5 and 10 mm. wide, each	1.25
N-2215	Gouge, bone, Komstock's, very large, made in three sizes, 19, 25 and 32 mm. wide, each	2.75
N-2220	Chisel, bone, Komstock's, very large, made in three sizes, 19, 25 and 32 mm. wide, each	2.25

Do not mutilate catalogue.—Specify section letter and number in ordering.



N-2225

N-2230

N-2235

N-2240

N-2245

N-2250

N-2255



N-2255A

BOSE GOUGES AND CHISELS

N-2225	Gouge, bone, Smith's, $\frac{3}{4}$ in.	\$1.00
N-2230	Gouge, bone, Miller's, $\frac{7}{8}$ in.	1.00
N-2235	Gouge, bone, Giesche's, $\frac{7}{8}$ in., made in three sizes each.	1.00
N-2240	Gouge, bone, Giesche's, $\frac{7}{8}$ in., angular, made in three sizes each.	1.00
N-2245	Gouge, bone, Giesche's, $\frac{7}{8}$ in., made in three sizes each.	1.25
N-2250	Gouge, bone, Miller's, angular, $\frac{7}{8}$ in., made in three sizes each.	1.50
N-2255	Gouge, bone, Ford's, $\frac{7}{8}$ in., made in three sizes each.	1.25
N-2255A	Illustrations of bone gouges, N-2225 to N-2255.	
N-2260	Gouge, bone, Schuster's, three sizes, $\frac{3}{4}$ in. each.	75
N-2265	Chisel, bone, Schuster's, three sizes, $\frac{3}{4}$ in. each.	80

N-2260

N-2265



N-2275

N-2276

N-2290

N-2285

N-2300

N-2280

N-2270



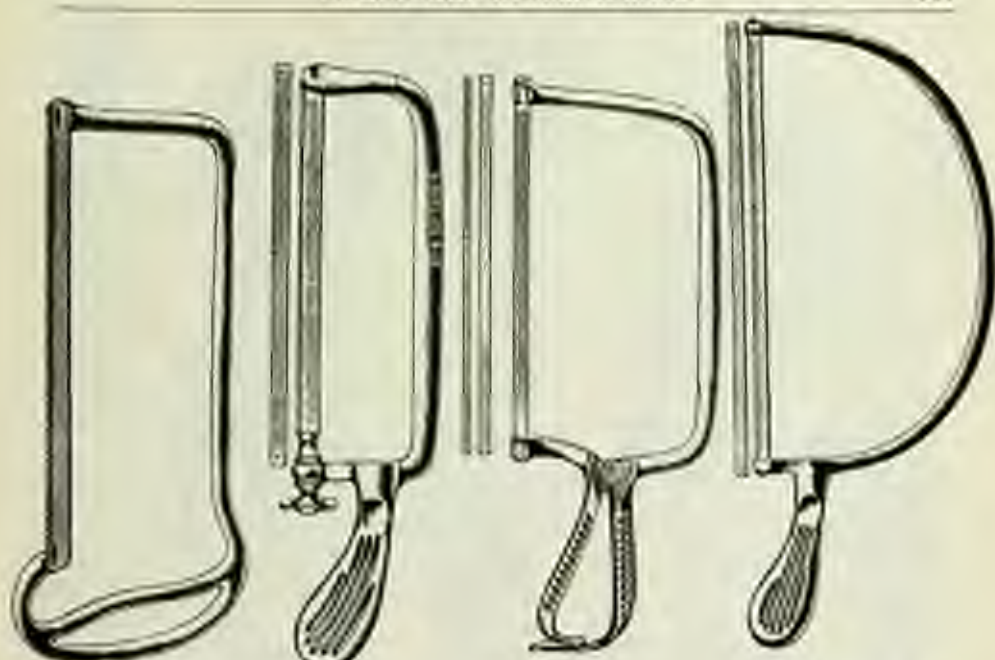
N-2305

AMPUTATING SAWS

N-2275	Saw, Langenbeck's, plain, 9 ins.	.....	\$1.00
N-2276	Saw, Langenbeck's, with lifting back 9 ins.	.....	1.00
N-2290	Saw, Charrière's, entire length 9 ins., blade 4 ins.	.....	1.00
N-2285	Saw, Charrière's, with improved handle, entire length 12 ins., blade 8 ins.	.....	1.00
N-2300	Saw, Katherin's, entire length 12 ins., blade 8 ins.	.....	1.00
N-2280	Saw, Turrell's, entire length 12 ins., blade 8 ins.	.....	1.00
N-2270	Saw, Farber's, entire length 12 ins., blade 8 ins.	.....	1.00
N-2305	Saw, V. Mueller & Co.'s special entire length 15 ins., blade 8 ins.	.....	1.00

The saw described last has a handle which is very convenient and does not force the operator to twist his wrist. We can therefore recommend it highly to our customers.

Do not mutilate catalogue.—Specify section letter and number in ordering.

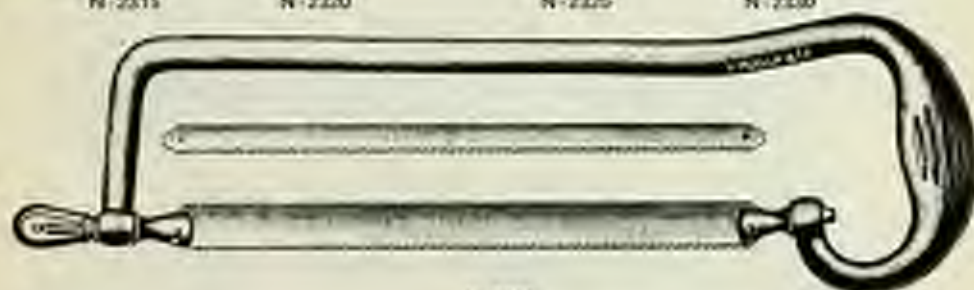


N-2315

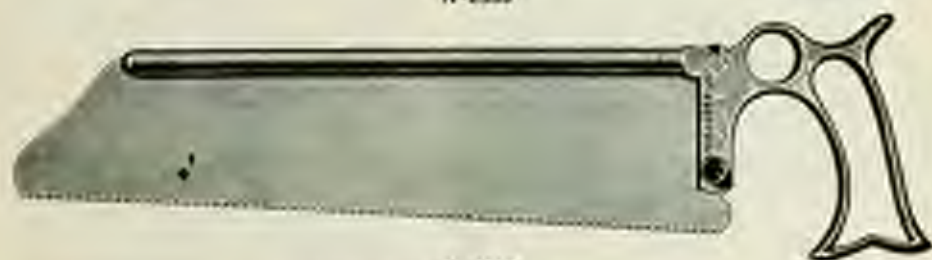
N-2320

N-2325

N-2330



N-2335



N-2310

AMPUTATING SAWS—Continued

N-2339	Saw, Maise's, double, entire length 34 ins., blade 11½ ins.	\$1.50
N-2341	Saw, Maise's, plain pattern	4.00
N-2342	Saw, Maise's, entire length 34 ins. with two 5-lb. blades	8.00
N-2343	Saw, Maise's, with three blades	8.50
N-2344	Saw, Maise's, with two blades	5.50
N-2345	Saw, Maise's, entire length 34 ins., with two 5-lb. blades	7.50

Do not mutilate catalogue.—Specify section letter and number in ordering.



N-2340



N-2345



N-2350



N-2355



N-2360

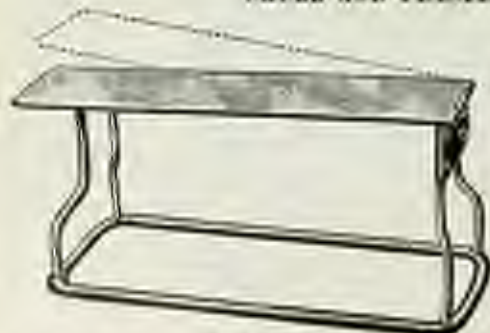


N-2365



N-2370

SKULL AND PLASTER SAWS, ETC.



N-2375

- | | | |
|--------|---|--------|
| N-2340 | Saw, skull, Depp's, with
guage to regulate depth of
cut | \$5.50 |
| N-2345 | Saw, plaster Paris, Kugel's,
1/2 in. | 1.25 |
| N-2350 | Saw, Her's, for skull, can
also be used for plaster
Paris | 1.50 |
| N-2355 | Saw, Kugel's, for plaster
Paris, 1/2 in. | 1.50 |
| N-2360 | Knife, for plaster Paris,
Kugel's | 1.50 |
| N-2365 | Knife, for plaster Paris,
Hill's, with black points
into the handle, con-
sequently can be resharpened
and used for an indefinite
time | 1.50 |
| N-2370 | Knife, for plaster Paris,
Hill's, pocket style, with
two blades and nail file | 1.50 |
| | | 8.00 |

S-105 Binding vert. October's

Do not mutilate catalogue.—Specify section letter and number in ordering.



N-2385

N-2386

N-2386

HIB AND PLASTER SHEARS

N-2385	Shear, plaster of Paris, Hilke, latest model, steel blades, reaching full through the end of handle, 11½ in.	\$10 00
N-2386	Shear, plaster of Paris, with saw toothed blade attached, 11½ in.	4 00
N-2387	Shear, plaster of Paris, Hilke's, 9½ in.	3 00
N-2388	Shear, plaster of Paris, 2 in.	1 00
N-2389	Shear, plaster of Paris, for bone, 9 in.	1 00
N-2390	Shear, ib., Mathews, straight, 10½ in.	1 00
N-2391	Shear, ib., Mathews, half curved, 10½ in.	1 00

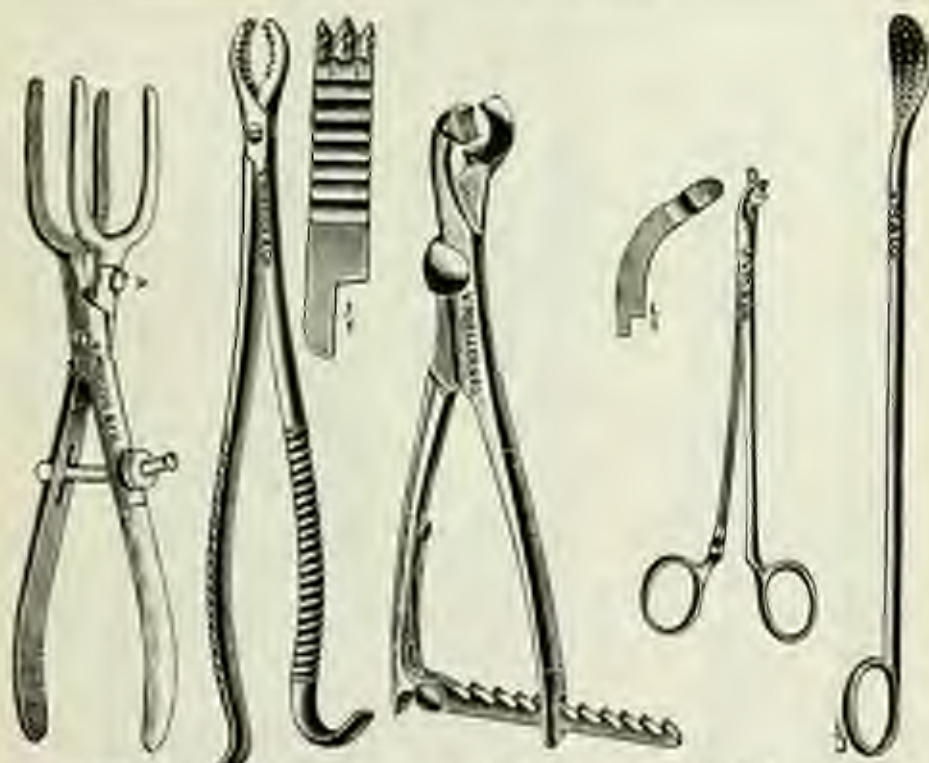
Do not mutilate catalogue.—Specify section letter and number in ordering.



MALLETS, METAL, FIBRE AND RAWHIDE

N-2395	Mallet, metal, head filed, 3½ lbs.	11.50
N-2400	Mallet, metal, Doyon's, made of soft bronze	5.50
N-2405	Mallet, metal, 7½ lbs.	1.50
N-2410	Mallet, raw hide, 10 lbs., box wood polished	1.25
N-2415	Mallet, made of wood fibre, 14 lbs., very serviceable	2.00
N-2420	Mallet, V. Mueller & Co.'s, small, made of bronze, 2½ lbs.	1.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



N-2440

N-2445

N-2435

N-2450

N-2455



N-2425



N-2430

BONE HOLDING FORCEPS, ETC.

N-2425	Forceps, bone holding, Van Buren's, 8½ in.	\$1.75
N-2430	Forceps, bone holding, Ferguson's, 10 in. jaw, 8½ in.	2.25
N-2435	Forceps, bone holding, Lamb's, 8½ in.	11.00
N-2440	Forceps, bone holding, Lamb's, 10 in. adjustable, 11 in.	7.00
N-2445	Forceps, bone holding, Lamb's, 12 in., 14 in.; large size, 15 in.	10.00
N-2450	Forceps, for holding bone screws, Lamb's, 7½ in.	2.00
N-2455	Elevator or retractor, Lamb's.	2.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



N-2470



N-2475



N-2480



N-2485



N-2490

BONE DRILLS

N-2480	Bone drill, Edmund's, plain, 3 ins.	1.50
N-2485	Bone drill, Edmund's, solid handle.	1.75
N-2490	Bone drill, Edmund's, set or two in one handle, 7 ins.	2.00
N-2495	Bone drill, Fischer's, with three points.	2.00
N-2500	Bone drill, Hamilton's, with six points, no handle, 1 1/2 ins.	3.00
N-2505	Bone drill, Collins's, with three points, 7 1/2 ins.	12.50
N-2510	Bone drill, Brammer's, with five points, which can be turned in handle, 7 1/2 ins.	3.50

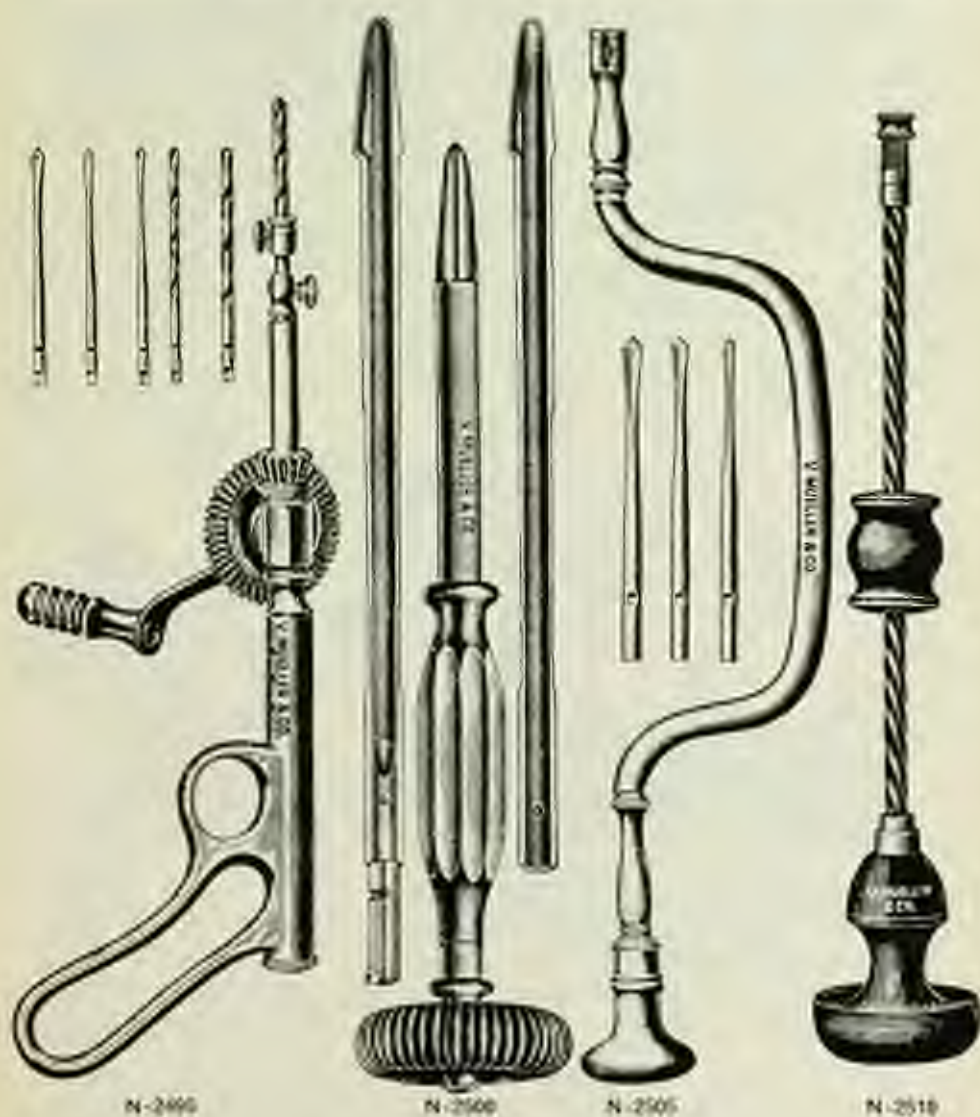


N-2495



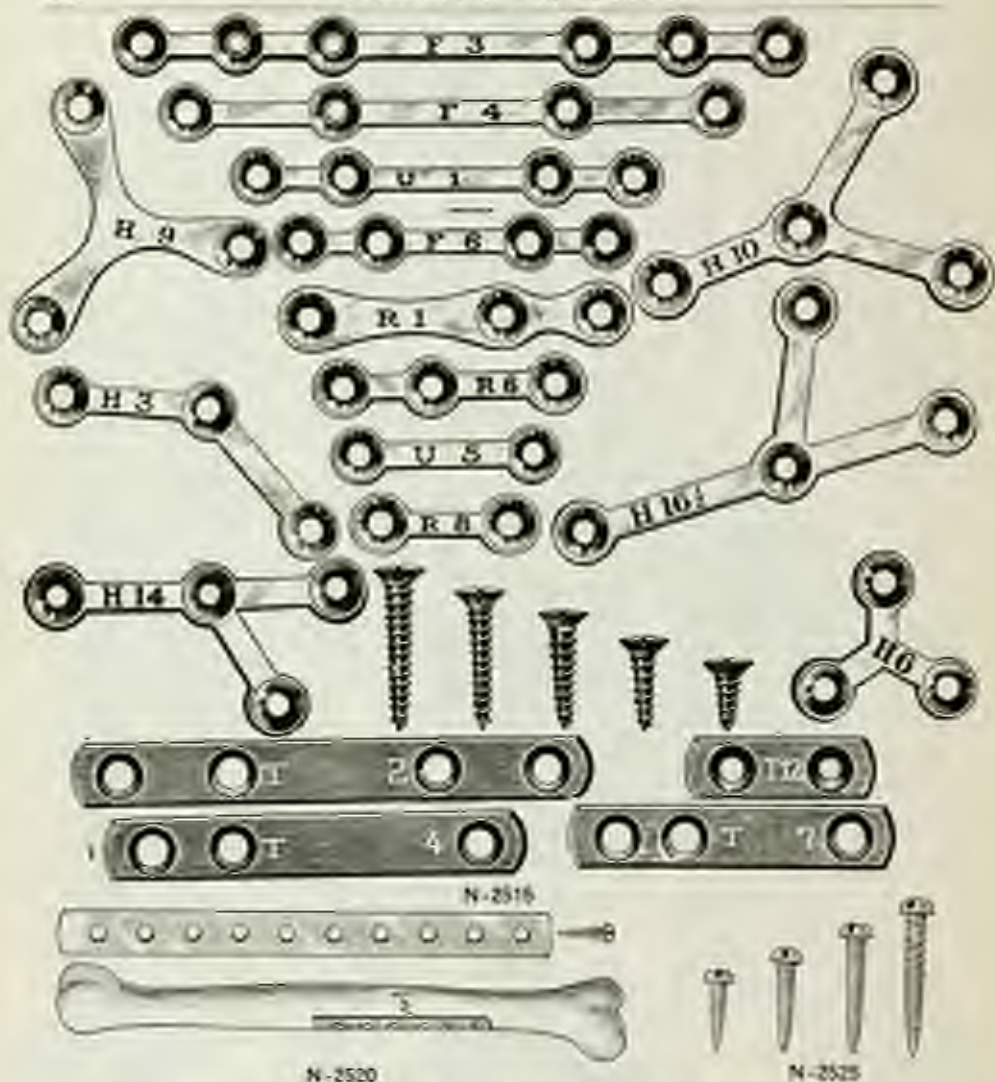
N-2500

Do not mutilate catalogue.—Specify section letter and number in ordering.



BONE DRILLS.—Continued

N 2495 Bone drill, Barker's, with six points, 3 in.	15 00
N 2500 Bone drill, Schaefer's, (Russian) 2 1/2 in.	10 00
The Russian bone drill has become very popular during the last few years, it is especially well adapted for opening the mastoid, etc.	
N 2505 Bone drill, Langenbeck's type, with three points, 1 1/2 in.	5 75
N 2510 Bone drill, German pattern, with wooden handle, three points, 20 in.	7 50



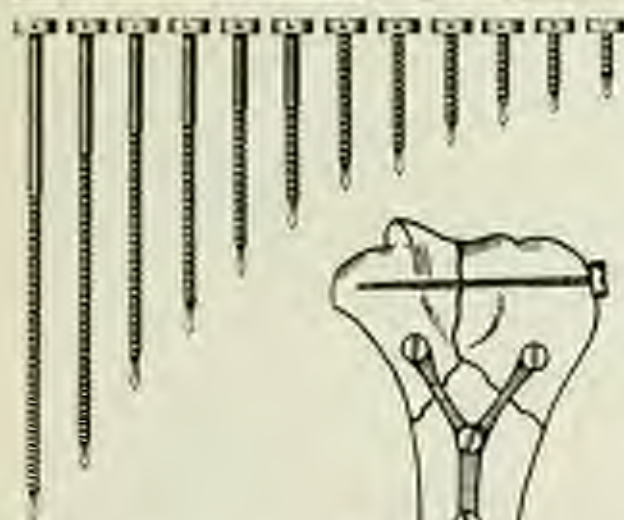
BONE PLATES AND BONE SCREWS

Lane's bone plates, illustrated above, are made of steel, and we have in stock over 50 different shapes and sizes. We have illustrated only those most commonly used, and from our experience we judge that among these plates illustrated, our customers will find the shape required for any fracture that may occur. We are always ready, however, to send a number for selection.

Please order by letter and number.

N 2516	Bone plates, Lane's, F, H and U for femur, radius and tibia, including screws, each	\$6.00
	H six patients for humerus, including screws each	7.00
	T for tibia, 12 sizes, including screws, according to length and number of tubes, each \$6.00 to	60
	Extra screws per dozen	30
N 2518	Bone plates, made of silver, Mayo's, 5 1/2 in., H 50; 5 in., H 51; 4 in., H 52. Not including screws.	
N 2520	Bone screws made of silver, Mayo's, length 3/4 in., each \$0.50; 1/2 in., each \$0.30; 1/4 in., each	70

Do not mutilate catalogue.—Specify section letter and number in ordering.



N-2530

N-2538B



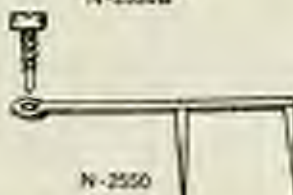
N-2535



N-2538A



N-2540



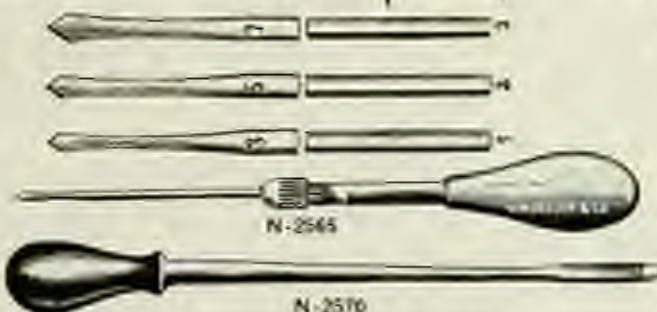
N-2550



N-2545



N-2540



N-2545

N-2546

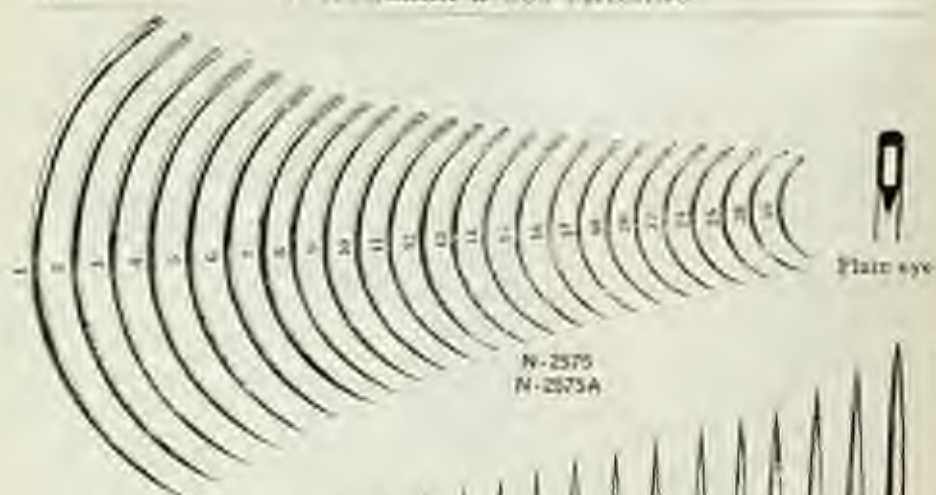


N-2555

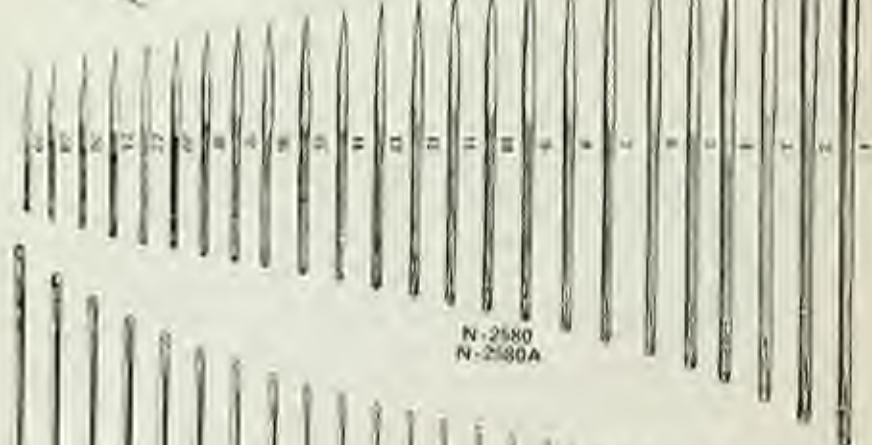
BONE SCREWS, CLAMPS, ETC.

- N-230 Bone screws, Lambolt's, made of steel, tempered and heavily gold plated, 1 to 4, each \$0.50; 5 to 8, each \$1.00; 9 to 12, each \$1.50.
- N-238 A and B illustrates method of using Lambolt's bone screws and Lamb's bone plates.
- N-237 Pure silver wire, for wiring bones, per oz. 2.00.
- N-240 Bone staple, Lambolt's, made of steel, tempered and heavily gold plated, four pronged. 1.00.
- N-245 Bone staple, Lambolt's, made of steel, tempered and heavily gold plated, three pronged. 1.00.
- N-250 Bone staple, Lambolt's, made of steel, tempered and heavily gold plated, two pronged with one No. 1 screw. 1.00.
- N-255 Tap for bone screws, Weber's. 2.00.
- N-256 Screw driver, for bone screws, Weber's. 1.50.
- N-257 Tap, for bone screws, three points, set complete. 2.50.
- N-258 Screw driver, for bone screws, Lamb's, metal handle. 1.50.

Do not mutilate catalogue.—Specify section letter and number in ordering.

N-2575
N-2575A

Plain eye

N-2580
N-2580A

Patent eye



N-2585 N-2585A

SURGEON'S NEEDLES

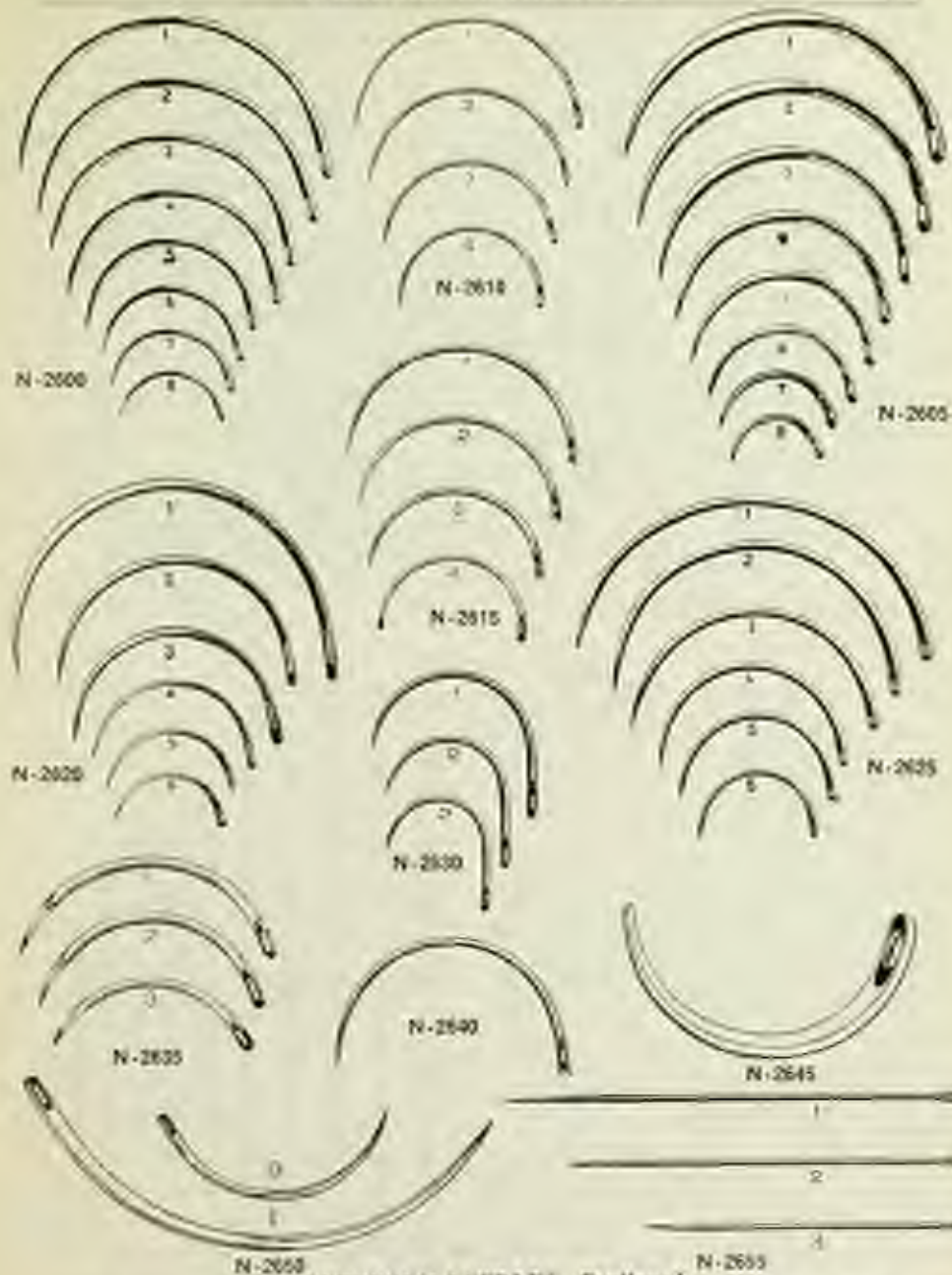
- N-2577 Full curved, sizes 1 to 20, plain eye, dozen... 40
 N-2578A Full curved, sizes 1 to 20, patent eye, dozen... 25
 N-2579 Straight, sizes 1 to 20, plain eye, dozen... 40
 N-2580A Straight, sizes 1 to 20, patent eye, dozen... 25
 N-2581 Half curved, sizes 1 to 20, plain eye, dozen... 40
 N-2582A Half curved, sizes 1 to 20, patent eye, dozen... 25
 N-2583 Eye needles, half curved, sizes 20, 25 and 30, plain eye, dozen, 30 50; patent eye, dozen... 1 00
 N-2585 Eye needles, full curved, sizes 20, 25 and 30, plain eye, dozen, 30 50; patent eye, dozen... 1 00



N-2580

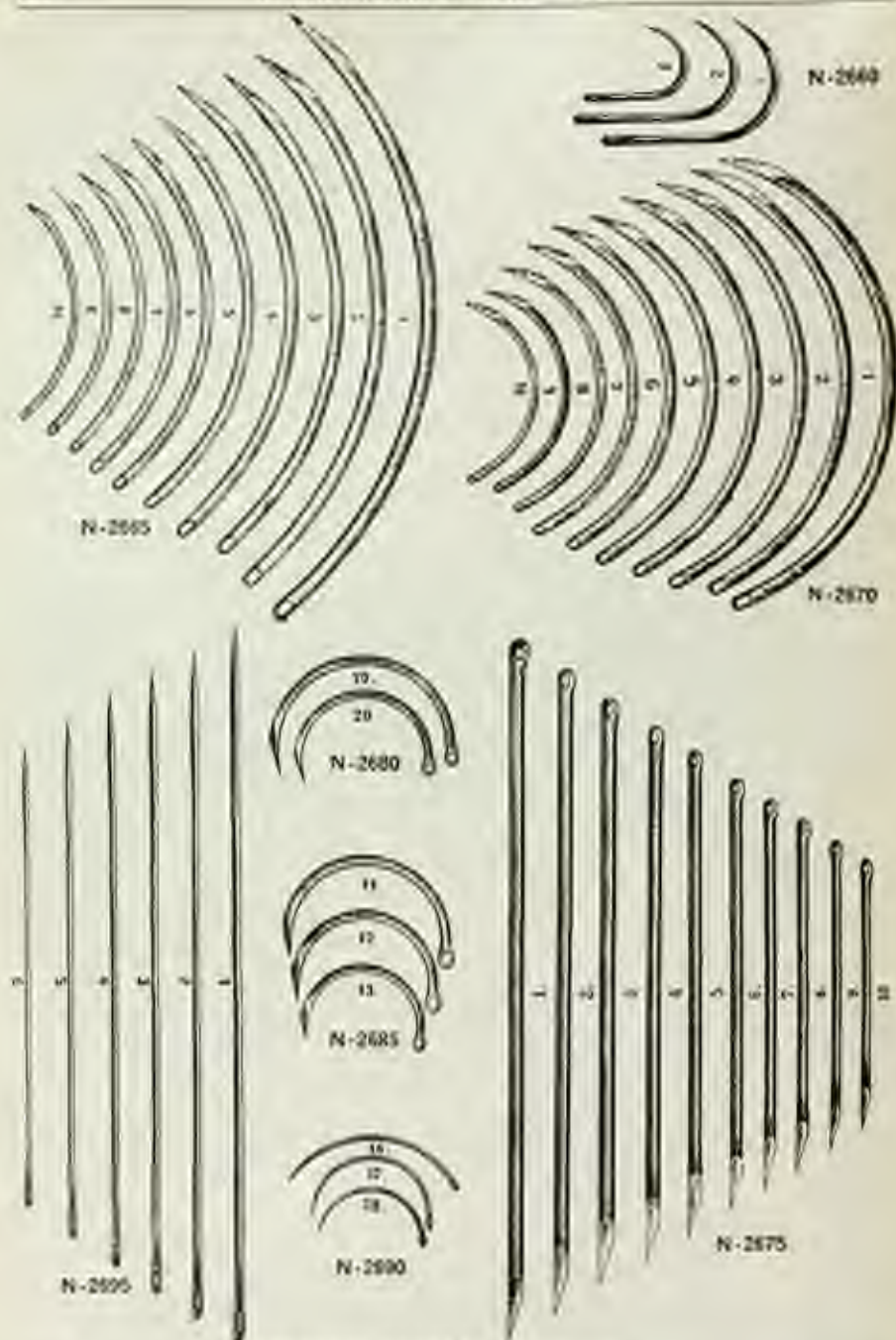


N-2585



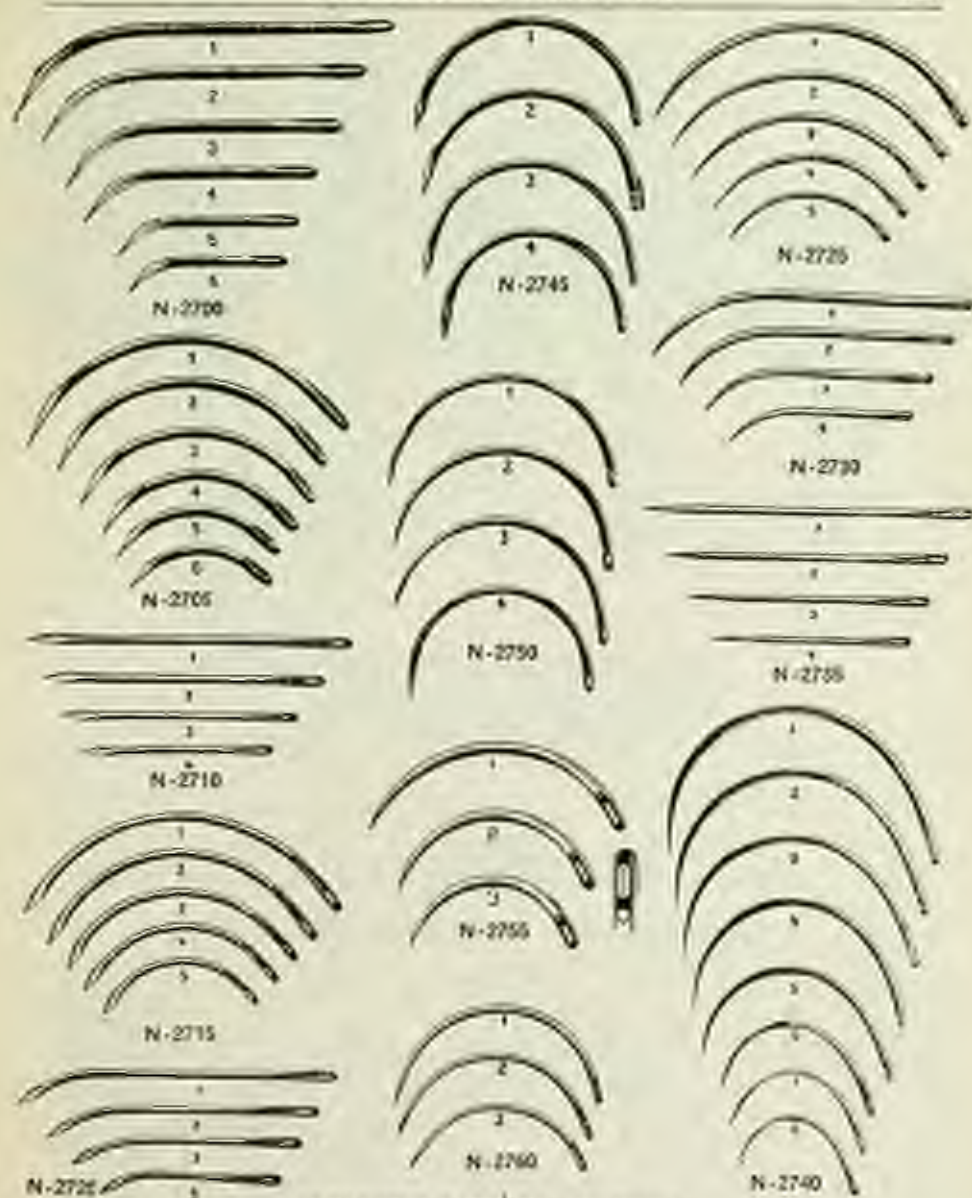
SURGEONS' NEEDLES—Continued

N-2600	Ferguson's, taper point, down, \$0.50; cutting point, down.....	\$0.15	N-2620	Mayo's, intestinal, taper point, fish hook shape, down.....	\$1.00
N-2605	Mayo's, intestinal, heavy, down.....	.75	N-2625	Frat's, curved, three sizes, down.....	.25
N-2610	Intestinal, taper point, stretched eye, plain, down.....	.35	N-2630	Morgan's, taper point, two curved, patent eye, down.....	.25
N-2615	Intestinal, taper point, patent eye, down.....	.75	N-2635	Hewitt's, intestinal's, down.....	1.25
N-2620	Half circle, cutting point, strong, down.....	.60	N-2640	Doane's, six sizes, down.....	1.25
N-2625	Five thickness, taper point, strong, down.....	.75	N-2645	Straight, taper point, stretched eye, down, \$0.50; patent eye, down.....	.25



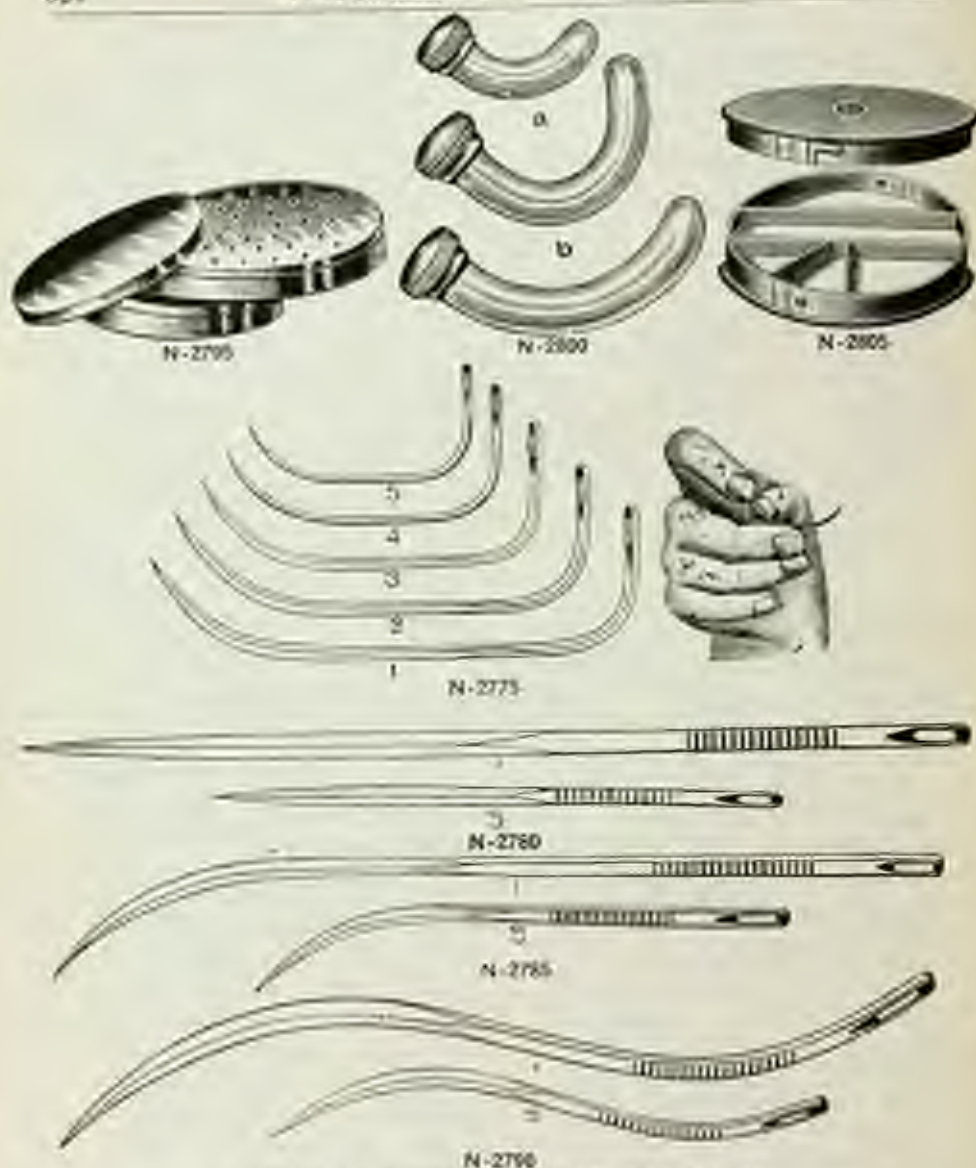
SURGEON'S NEEDLES.—Continued

N-2665	Lacey's, for work in the mouth, dozen.....	30 75	N-2680	Hagedorn's, ligature, dozen.....	30 40
N-2669	Hagedorn's, lower curved, dozen.....	40	N-2685	Hagedorn's, gynecological, dozen.....	40
N-2670	Hagedorn's, full curved, dozen.....	40	N-2690	Hagedorn's, latissimal, dozen.....	40
N-2675	Hagedorn's, straight, dozen.....	30	N-2695	Kelly's, abdominal, dozen.....	40



SURGEONS' NEEDLES—Continued

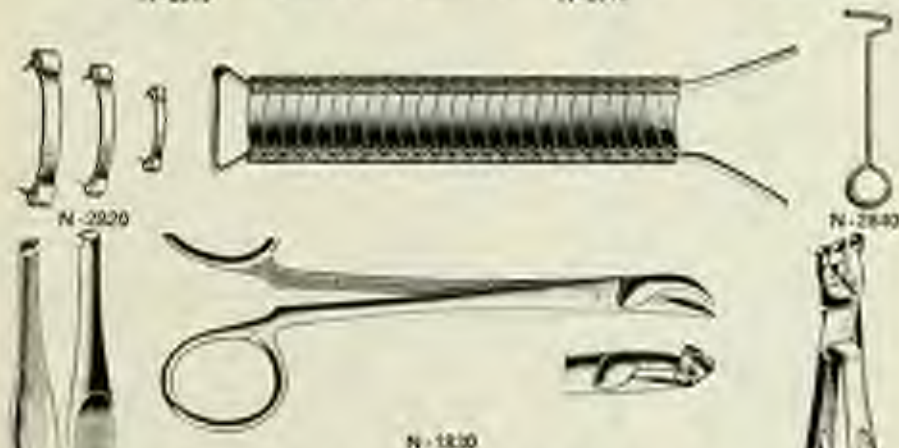
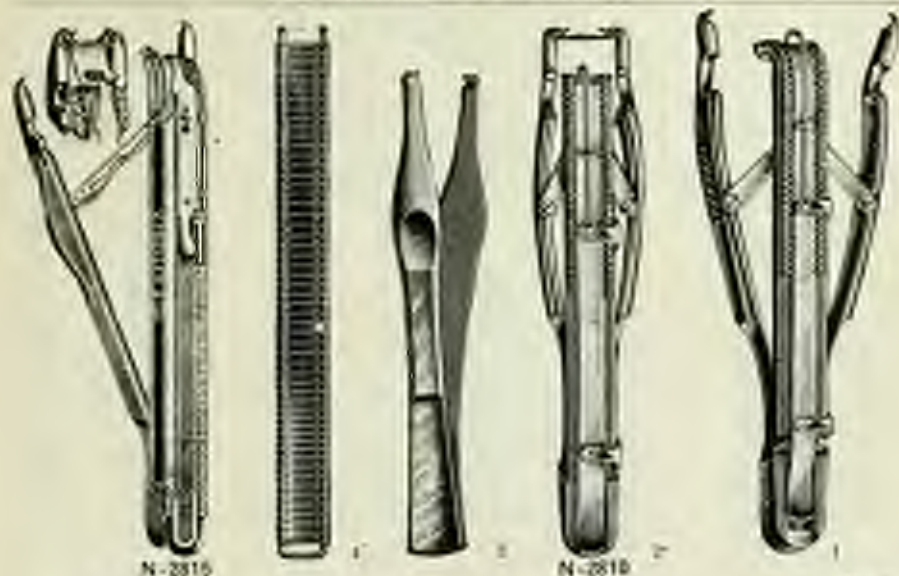
N-2700	Emmett's, trocar point, half curved, down	50	N-2730	Emmett's, taper point, half curved, down	50
N-2705	Emmett's, trocar point, half curved, down	50	N-2735	Emmett's, taper point, straight, down	50
N-2710	Emmett's, trocar point, straight, down	50	N-2740	Kelly's, trocar, cutting point, down	50
N-2715	Sim's, trocar point, full curved, down	55	N-2745	Mayo's, trocar point, down	75
N-2720	Sim's, inner point, half curved, down	55	N-2750	Mayo's, taper point, heavy, large eye, down	75
N-2725	Emmett's, taper point, full curved, down	50	N-2755	Harris', with double eye for wire sutures, down	1.00
			N-2760	Mary's, taper point, flat shank, down	85



SURGEONS' NEEDLES AND NEEDLE CASES

- | | | |
|--------|---|--------|
| N-2775 | Surgeons' needles, Langstaff's, filling points, curved shank, for use without needle holder, dozen | \$1.25 |
| N-2776 | First motion needles, made in five sizes, illustration showing large and small sizes, dozen | 1.50 |
| N-2777 | First motion needles, half curved, made in five sizes, illustration showing large and small sizes, dozen | 2.50 |
| N-2778 | First motion needles, double curved, made in five sizes, illustration showing large and small sizes, dozen | 2.50 |
| N-2779 | Needle case and sterilizer, Chappin's | 2.00 |
| N-2780 | Needle cases, made of glass with metal screw cap, small size for eye needles, A or J, half curved needles, B for half curved needles, illustration showing 1/2 size, each | 2.00 |
| N-2781 | Needle case, metal, nickel plated, compartment removable | 2.00 |

Do not mutilate catalogue.—Specify section letter and number in ordering.



MICHEL'S SUTURE INSTRUMENTS

- N-2826 Suture set, Michel's, in metal case, containing automatic forceps, illustrated as No. 1 and 2, plain suture forceps No. 3, and rack of suture clips No. 4. Complete..... \$11.50
- N-2827 Suture Set, Michel's, in metal case, containing automatic forceps, plain suture forceps and rack of suture clips, complete..... 10.00
- N-2828 Suture Clips, Michel's, made in three sizes, smallest also being mostly used, 25 clips on wire frame, \$1.25; per 100..... 1.00
- N-2829 Forceps, plain for introducing Michel's suture..... 1.12
- N-2830 Forceps, for removing Michel's suture..... 1.00
- N-2831 Forceps, double-ended, for introducing and removing Michel's suture..... 2.00
- N-2832 Hooks, per pair..... 2.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



N-2845

V. MUELLER & CO.



N-2850

V. MUELLER & CO.



N-2855



N-2860



N-2870



N-2885



N-2875



N-2880



N-2885

PERINEUM AND ANEURISM NEEDLES

N-2840	Needle, Doehamp's, blunt pointed, right and left, 2 1/2 in., each	\$1.25
N-2845	Needle, Doehamp's, sharp pointed, right and left, 3 in., each	1.25
N-2850	Needle, Webster's, aneurism, right and left, 3 in., each	1.25
N-2855	Needle, Cannon's, made in two sizes, right and left, 3 and 4 in., each	1.25
N-2860	Needle, Half's, separating, 3/4 in.	1.25
N-2865	Needle, Half's, separating, 3/4 in.	1.25
N-2870	Needle, Davison's, 4 1/2 in.	20
N-2875	Needle, Mayo's, made in four sizes, illustration showing smallest size, each	20



N-2870

N-2880 Needle, Half's, 4 1/2 in.

N-2885 Needle and director, aneurism, illustration full size

N-2890 Needle and director, aneurism, illustration full size

Do not mutilate catalogue.—Specify section letter and number in ordering.



SUTURE NEEDLES, ETC.

N-2900	Needle, peritoneum, Pezzer's, right and left, $\frac{5}{16}$ in., each.....	\$1.25
N-2905	Needle, Reverdin-Kops's, $\frac{5}{16}$ in., each.....	2.00
N-2910	Needle, Reverdin's, $\frac{7}{16}$ in.	2.25
N-2915	Needle, Reverdin's, small for eye work, or other delicate suturing, $\frac{5}{16}$ in.	1.00
N-2920	Needle, pedicle, Swain's, Reverdin pattern, extra strong, $\frac{5}{16}$ in.	2.00
N-2920A	1, 2, 3 and 4, illustrates curves and actual sizes of the various Reverdin needles which we carry in stock.	
N-2925	Needle, staphyloctaphy, Updegraff's, half curved, $\frac{5}{16}$ in.	1.25
N-2930	Needle, staphyloctaphy, Updegraff's, full curved, $\frac{5}{16}$ in.	1.25
N-2935	Hook, staphyloctaphy, Updegraff's, $\frac{7}{16}$ in.	1.00
N-2940	Needle, aneurism, Cooper's.....	.75

Do not mutilate catalogue.—Specify section letter and number in ordering.



N-2070

N-2065

N-2080

N-2055

N-2075

N-2060

SUTURE NEEDLES AND LIGATURE CARRIERS

N-2068	Needle, Borelli's, with apex, right and left, each	\$5.00
N-2069	Needle, Landry's, sharp with Borelli's eye	1.50
N-2070	Needle, Borelli's, slightly curved	1.50
N-2071	Needle, aneurism, Laugel's, hook's, blunt	1.50
N-2072	Ligature carrier, Cleve- land's, 8 in.	2.50
N-2073	Ligature carrier, Cleve- land's, improved, 7 in., right and left, each	2.50
N-2074	Ligature forceps, Barrett's, 3 in.	1.75
N-2075	Ligature forceps, Linton's, 5 in.	2.75



N-2065



N-2068

Do not mutilate catalogue.—Specify
section letter and number
in ordering.



N-2990



N-3005



N-3000



N-2995



N-3020



N-3005

NEEDLE HOLDERS AND NEEDLE FORCEPS

N-2990	Needle holder, Weber's, made in three sizes, 1, 3 and 5 ins., each	\$1.75
N-2995	Needle holder, Weber's, for own manufacture	5.00
N-3000	Needle holder, Mathieu's, improved with coarsely enameled, 4 1/2, 5 1/2, 6 1/2, 7 1/2, 8 1/2, 9 1/2, 10 1/2, 11 1/2, 12 1/2, 13 1/2, 14 1/2, 15 1/2, 16 1/2, 17 1/2, 18 1/2, 19 1/2, 20 1/2, 21 1/2, 22 1/2, 23 1/2, 24 1/2, 25 1/2, 26 1/2, 27 1/2, 28 1/2, 29 1/2, 30 1/2, 31 1/2, 32 1/2, 33 1/2, 34 1/2, 35 1/2, 36 1/2, 37 1/2, 38 1/2, 39 1/2, 40 1/2, 41 1/2, 42 1/2, 43 1/2, 44 1/2, 45 1/2, 46 1/2, 47 1/2, 48 1/2, 49 1/2, 50 1/2, 51 1/2, 52 1/2, 53 1/2, 54 1/2, 55 1/2, 56 1/2, 57 1/2, 58 1/2, 59 1/2, 60 1/2, 61 1/2, 62 1/2, 63 1/2, 64 1/2, 65 1/2, 66 1/2, 67 1/2, 68 1/2, 69 1/2, 70 1/2, 71 1/2, 72 1/2, 73 1/2, 74 1/2, 75 1/2, 76 1/2, 77 1/2, 78 1/2, 79 1/2, 80 1/2, 81 1/2, 82 1/2, 83 1/2, 84 1/2, 85 1/2, 86 1/2, 87 1/2, 88 1/2, 89 1/2, 90 1/2, 91 1/2, 92 1/2, 93 1/2, 94 1/2, 95 1/2, 96 1/2, 97 1/2, 98 1/2, 99 1/2, 100 1/2	2.25
N-3005	Needle holder, Mathieu's, made in three sizes, 1 1/2, 3, 5 ins., each	2.00
N-3000	Needle holder, Mathieu's, made in three sizes, 1 1/2, 3, 5 ins., each	2.00
N-3005	Needle holder, Fowler's, especially suitable for Hagedorn needles, 1/4, 1/2, 3/4, 1, 1 1/2, 2, 2 1/2, 3, 3 1/2, 4, 4 1/2, 5, 5 1/2, 6, 6 1/2, 7, 7 1/2, 8, 8 1/2, 9, 9 1/2, 10, 10 1/2, 11, 11 1/2, 12, 12 1/2, 13, 13 1/2, 14, 14 1/2, 15, 15 1/2, 16, 16 1/2, 17, 17 1/2, 18, 18 1/2, 19, 19 1/2, 20, 20 1/2, 21, 21 1/2, 22, 22 1/2, 23, 23 1/2, 24, 24 1/2, 25, 25 1/2, 26, 26 1/2, 27, 27 1/2, 28, 28 1/2, 29, 29 1/2, 30, 30 1/2, 31, 31 1/2, 32, 32 1/2, 33, 33 1/2, 34, 34 1/2, 35, 35 1/2, 36, 36 1/2, 37, 37 1/2, 38, 38 1/2, 39, 39 1/2, 40, 40 1/2, 41, 41 1/2, 42, 42 1/2, 43, 43 1/2, 44, 44 1/2, 45, 45 1/2, 46, 46 1/2, 47, 47 1/2, 48, 48 1/2, 49, 49 1/2, 50, 50 1/2, 51, 51 1/2, 52, 52 1/2, 53, 53 1/2, 54, 54 1/2, 55, 55 1/2, 56, 56 1/2, 57, 57 1/2, 58, 58 1/2, 59, 59 1/2, 60, 60 1/2, 61, 61 1/2, 62, 62 1/2, 63, 63 1/2, 64, 64 1/2, 65, 65 1/2, 66, 66 1/2, 67, 67 1/2, 68, 68 1/2, 69, 69 1/2, 70, 70 1/2, 71, 71 1/2, 72, 72 1/2, 73, 73 1/2, 74, 74 1/2, 75, 75 1/2, 76, 76 1/2, 77, 77 1/2, 78, 78 1/2, 79, 79 1/2, 80, 80 1/2, 81, 81 1/2, 82, 82 1/2, 83, 83 1/2, 84, 84 1/2, 85, 85 1/2, 86, 86 1/2, 87, 87 1/2, 88, 88 1/2, 89, 89 1/2, 90, 90 1/2, 91, 91 1/2, 92, 92 1/2, 93, 93 1/2, 94, 94 1/2, 95, 95 1/2, 96, 96 1/2, 97, 97 1/2, 98, 98 1/2, 99, 99 1/2, 100, 100 1/2	1.75
N-3005	Needle holder, Langdon's, needle lock	1.75
N-3010	Needle holder, Weber's, with mortised lock, 1 1/2, 3, 5 ins.	3.00
N-3020	Needle holder, Cline's, 5 ins., mortised lock	7.00
N-3025	Needle forceps, Mayo's, 5 1/2 ins.	1.00



N-3010



N-3015

Do not mutilate catalogue.—Specify section letter and number in ordering.



N-3030



N-3035



N-3040



N-3045



N-3050



N-3050A



N-3055A



N-3055B

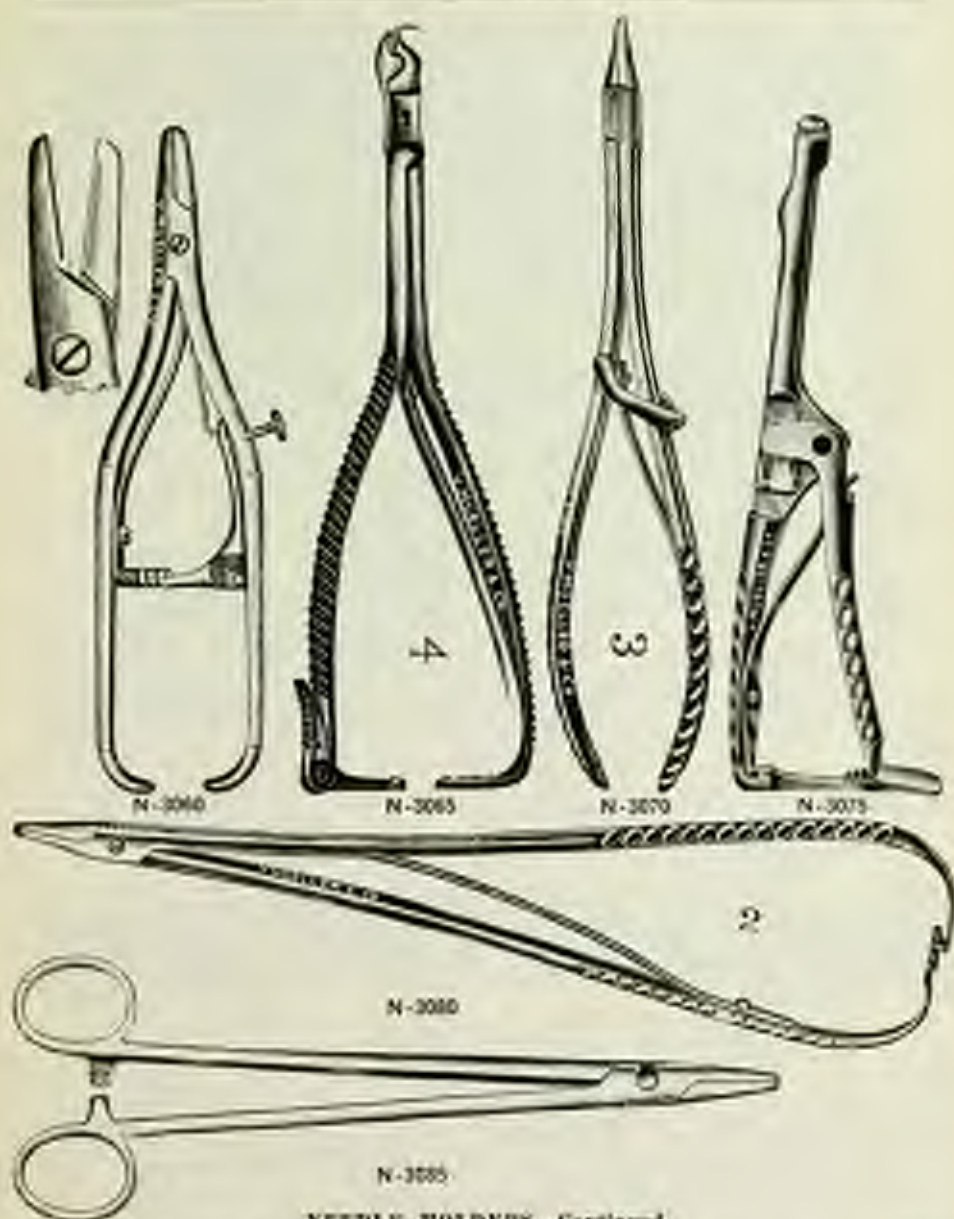


N-3055

NEEDLE HOLDERS—Continued

N-3000 and N-3000A needle holder, Richter's original pattern	\$1.00
N-3005 Needle holder, Richter's original with grasping point	2.00
N-3040 Needle holder, Richter's, with improved catch	5.00
N-3045 Needle holder, Richter's, with grasping point and improved catch	5.00
N-3050 Needle holder, Richter-Matthaus's, with improved catch	5.00
N-3055A and B, needle holder, Richter's, improved by Richter	
Improvement consists of a movable jaw which enables the operator to re grasp the needle and pull it through the tissue, a procedure which was difficult or impossible with the original Richter's needle holder.	
	5.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



NEEDLE HOLDERS—Continued

N-300	Needle holder,	Harris' improved model, made in two sizes, each.....	\$1.00
N-302	Needle holder,	Dupuy's, for operating in the mouth also suitable for work in the abdomen.....	4.50
N-303	Needle holder,	Before Kelly, 5 lbs., \$2.00; 11 lbs.,.....	2.00
N-305	Needle holder,	Harbison's, 6½ lbs.,.....	4.50
N-308	Needle holder,	Mathews-Harphy's, made in two sizes, 5 lbs., \$1.00; 10½ lbs.,.....	2.50
N-309	Needle holder,	Wright's, made in two sizes, 5½ lbs., \$1.25; 8 lbs.,.....	1.50

Do not mutilate catalogues.—Specify section letter and number in ordering.



STITCH CUTTERS, SUTURES, ETC.

N-3090	Scissors, wire cutting, Griffith's, 8 in.	\$1.00
N-3095	Scissors, stitch cutting, Littauer's, 8 in.	1.25
N-4000	Wire clipper, 4 1/2 in., best grade, nickel-plated, not illustrated	1.50
N-4005	Wire clipper, 5 in., extra quality, not illustrated	1.60
N-4010	Shot compressor, Thomas', 8 in.	1.50
N-4015	Need, perforated, made in fine steel, per hundred	.05
N-4020	Needle holder, Griffith's, 8 in.	.60
N-4025	Needle thread, Maco's, iron dyed, made in four sizes, per spool No. 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30	.30
N-4030	Cottonoid covered thread, Pagenstecher's, made in five sizes, per box	.30
N-4035	Pagenstecher's, bleached, five sizes, per box	.30
N-4040	Twisted silk, on cards, sizes 1 to 25, white, each	.15
	Twisted silk, on cards, sizes 2, 4, 6, 8, 10, 12 and 14, black iron dyed, each	.15
	Twisted silk, on cards, sizes 1 to 15, white, each	.15
	Twisted silk, on cards, sizes 2, 4, 6, 8, 10, 12 and 14, black iron dyed, each	.15
N-4050	Twisted silk, four sizes on card is size even, white	.15
	Twisted silk, four sizes on card is size even, white	.15

Do not mistake catalogue—Specify section letter and number in ordering.



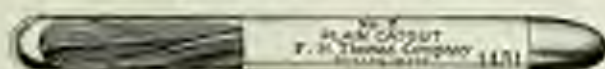
N-4015



N-4050

Lukens Sterile Catgut

Trade (Bartlett Process) Mark



N-4055



N-4050

Plain Pyoktanin Catgut

SIZES—NO. 0-1-2-3-4
LENGTHS—18 INCHES—26 INCHES
AVERAGE LIFE IN THE HUMAN TISSUE

The plain catgut suture is made from the finest material, and is the most reliable suture in use.

INDICATIONS.—For the suture of all deep wounds, lacerations, and incisions, and for the suture of all deep wounds, lacerations, and incisions, and for the suture of all deep wounds, lacerations, and incisions.

N-4060

Formalized Pyoktanin Catgut

SIZES—NO. 0-1-2-3-4
LENGTHS—18 INCHES—26 INCHES
WILL LAST WEEKS IN TISSUE

The plain catgut suture is made from the finest material, and is the most reliable suture in use.

INDICATIONS.—For the suture of all deep wounds, lacerations, and incisions, and for the suture of all deep wounds, lacerations, and incisions, and for the suture of all deep wounds, lacerations, and incisions.

N-4210

STERILE SUTURES

N-405	Catgut, Van Horn, in breakable glass tubes, six sizes, 36 to 4, dozen tubes.....	\$2.50
	Emergency tubes, per dozen in box.....	5.00
	Kangaroo tendons, in glass tubes, three sizes, per dozen.....	2.50
	Bilkoose gut or horse hair, per dozen tubes.....	2.50
N-4055	Catgut, Lukens (Bartlett Process) in breakable glass tubes, six sizes 36 to 4, per dozen tubes.....	2.50
	Oxydized silk, intestinal suture, white or non-dyed, three sizes, 1, 2, 3, per dozen.....	2.50
N-4055	Catgut, Thomas, plain or chromized, per dozen tubes.....	2.50
	Bilkoose gut, horse hair or kangaroo tendons, per dozen tubes.....	2.50
N-4060	Catgut, Watery, chloroform, six sizes, 36 to 4, per dozen.....	2.50
N-4065	Catgut, Pyoktanin suture, sizes 36 to 4, made in two lengths 18 and 26 ins.	
Size	36 18 ins., dozen.....	30.00
Size	36 24 ins., dozen.....	30.00
Size	18 18 ins., dozen.....	30.00
Size	18 24 ins., dozen.....	30.00
Size	12 18 ins., dozen.....	30.00
Size	12 24 ins., dozen.....	30.00
Size	6 18 ins., dozen.....	30.00
Size	6 24 ins., dozen.....	30.00
N-4070	Catgut, Pyoktanin, formalized, sizes 36 to 4, lengths 18 ins., and 26 ins. Prices same as the plain Pyoktanin Catgut.	
N-4075	Catgut, Blackman's, dry sterilized, in envelopes, length 26 ins., sizes 36 to 24, dozen.....	\$0.10

Do not mutilate catalogue.—Specify section letter and number in ordering.



N-4085



N-4085



N-4090



N-4095



N-5000



N-5005

SUTURES—Continued



N-5015

- N-400 Silkworm gut, highest grade, our own importation, carried in stock in five sizes, in bundles of 100 strands, 11 fine, per hundred \$1.00; 11 coarse, per hundred \$1.20; 11 X-coarse, per hundred \$1.40; 11 XX-coarse, per hundred \$1.60; 11 XXX-coarse, per hundred \$1.80.
- N-405 Wire silk, Spectator's brand, made in eight sizes from 40 to 6, in coils about 1 ft. long, from \$0.25 to \$0.90 per coil.
- N-410 Silver wire, pure, sold by weight only at the rate of \$1.00 per oz. in coils of 1 yard each.
- N-405 Horse hair, dry, put up in boxes of 100 strands, 11 fine, per hundred \$0.25; 20 fine, per hundred \$0.30; 30 fine, per hundred \$0.35; 40 fine, per hundred \$0.40; 50 fine, per hundred \$0.45; 60 fine, per hundred \$0.50; 70 fine, per hundred \$0.55; 80 fine, per hundred \$0.60; 90 fine, per hundred \$0.65; 100 fine, per hundred \$0.70.
- N-5000 Raw silkworm, carried in stock in eight sizes, in coils of 100 ft. each: 40 \$0.25, 50 \$0.30, 60 \$0.35, 70 \$0.40, 80 \$0.45, 90 \$0.50, 100 \$0.55.
- N-5005 Raw silkworm, carried in stock in eight sizes, in coils of 100 ft. each: 40 \$0.25, 50 \$0.30, 60 \$0.35, 70 \$0.40, 80 \$0.45, 90 \$0.50, 100 \$0.55.



N-5015A

- N-5015 Glass jar, specify whether polished or rough, put in wood. We carry only the highest grade of imported German glass.
- N-5015A Glass jar, approximately the size of N-5015.
- N-5015 Enamel jar, as above, 30 ft. in each size. We carry in stock sizes as follows: No. 2 \$0.25, No. 4 \$0.40, No. 6 \$0.55, No. 8 \$0.70, No. 10 \$0.85, No. 12 \$1.00, No. 14 \$1.15, No. 16 \$1.30, No. 18 \$1.45, No. 20 \$1.60.
- N-5015 Glass jar, specify whether polished or rough, put in wood. We carry only the highest grade of imported German glass.

- N-5015A Glass jar, approximately the size of N-5015.
- N-5015 Enamel jar, as above, 30 ft. in each size. We carry in stock sizes as follows: No. 2 \$0.25, No. 4 \$0.40, No. 6 \$0.55, No. 8 \$0.70, No. 10 \$0.85, No. 12 \$1.00, No. 14 \$1.15, No. 16 \$1.30, No. 18 \$1.45, No. 20 \$1.60.
- N-5015 Glass jar, specify whether polished or rough, put in wood. We carry only the highest grade of imported German glass.

Do not mutilate catalogue—Specify section letter and number in ordering.



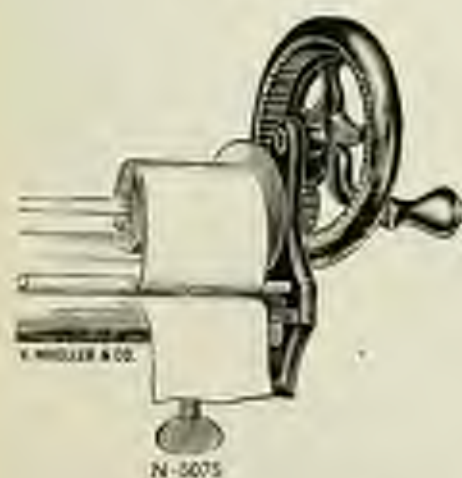
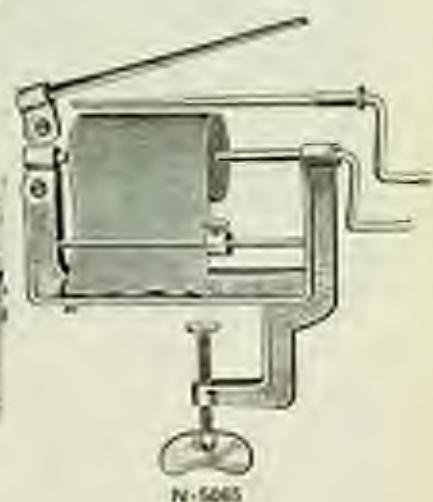
N-5025

SURGICAL DRESSINGS

N-5025	Gauze, plain, carried in stock in four grades. No. 1 in 100 yd. roll. \$1.00; No. 2 in 100 yd. roll, \$1.50; No. 3 in 100 yd. roll, \$2.00; No. 4 bandage gauze, approximately 48 by 48 threads to the square inch, 100 yd. roll, \$2.50.	\$1.00
N-5026	Gauze, between rolls, 1410 yds., for making bandages.	50
N-5027	No. 2 illustrating 100 yd. package of gauze. No. 1, 2, 3, and 4.	1.00
	No. 2 25 yd. package of gauze. No. 1.	1.00
	No. 4 25 yd. package of gauze. No. 2.	1.00
	No. 3 25 yd. package of gauze. No. 3, each. \$1.00; dozen.	1.00
	No. 2 gauze, iodine, in glass jar, 5 yds. 50¢, 11.25; 2 yds. 10¢.	1.00
	No. 7 gauze, iodine, in glass jar, 1 yd. 37¢, 30.30; 2 yds. 50¢.	1.00
	No. 9 and No. 9, absorbent cotton, regular good quality per lb., \$0.30; best grade per lb., \$1.00; half pound, \$0.25; ¼ lb., \$0.15; oz., \$0.10.	1.00
N-5028	Lamb's wool, ¼ lb., \$0.50; 1 lb., \$1.00.	1.00
N-5029	Cotton, per lb., \$0.10.	1.00

OWING TO THE CONTINUAL CHANGE OF PRICE ON COTTON, THE ABOVE PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Do not mutilate catalogue.—Specify section letter and number in ordering.



BANDAGE ROLLERS

N-5069	Bandage roller, plain japanned	30 30
N-5060	Bandage roller, Poron's	1 50
N-5070	Bandage roller, Jaws's, japanned, 30 50; nickel-plated	1 75
N-5075	Bandage roller, Crocker's, geared	2 30

Do not mutilate catalogue.—Specify section letter and number in ordering.

WEBSTER'S



N-5085



N-5085



N-5110



N-5095



N-5100



N-5105



N-5115

TRANSFUSION APPARATUS



N-5090

- | | | |
|--------|--|--------|
| N-5085 | Transfusion and infusion set, Webster's, in metal case, complete..... | \$1.65 |
| N-5085 | Transfusion and infusion set, Webster's, in metal case, small, complete..... | 1.25 |
| N-5085 | Infusion apparatus, Kelly's, complete..... | 1.00 |
| N-5085 | Rubber infusion needle, furnished in three sizes, each..... | .50 |
| N-5085 | Infusion tube, double curved, blue-rod..... | .50 |
| N-5085 | Infusion tube, Webster's, curved, goose-pointed..... | .25 |
| N-5085 | Infusion tube, four point, glass or metal, each..... | .75 |
| N-5085 | Two points, large or small, glass or metal, each..... | .75 |
| N-5115 | Infusion thermometer, showing temperature of air inside while in use..... | 1.50 |



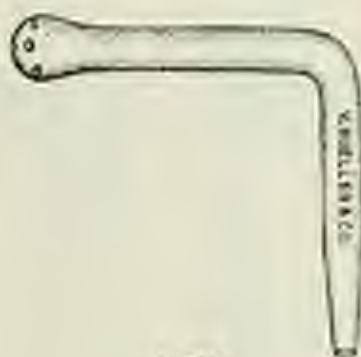
N-5120



N-5125



N-5130



N-5135



N-5140

PROCTOCLYSIS APPARATUS

- N-5120 Proctoclysis apparatus, Magnusson's, for the introduction of saline solution into the rectum, (so called Murphy treatment). This apparatus is very simple consisting of an inverted vacuum bottle which retains solution at an even temperature, catalogue..... 117 90
- N-5125 Proctoclysis apparatus, Saxon's, for Murphy treatment, repeat of directions for use accompany every apparatus. This apparatus is substantially and accurately made..... 12 00
- N-5130 Proctoclysis apparatus, Murphy's with glass or hard rubber nozzle..... 2 25
- N-5135 Saline injecting tube, Murphy's, glass, 18 in.; hard rubber drilled out of solid rod according to instruction, each..... 50
- N-5140 Proctoclysis dropper, Scott's, by means of which the flow of the solution can be regulated in a steady..... 25

Do not mutilate catalogue.—Specify section letter and number in ordering.



N-5145



N-5150



N-5155



N-5160



N-5165



N-5170



N-5175



N-5180



N-5185



N-5190



N-5195



N-5205



N-5200

VAGINAL SPECULA

N-5145	Vaginal speculum, Nett's, made in three sizes, each.....	25
N-5150	Vaginal speculum, Reeder's, lateral.....	25
N-5155	Vaginal speculum, Cusco's.....	25
N-5160	Vaginal speculum, Cusco's, three sizes, each.....	25
N-5165	Vaginal speculum, Taylor's.....	25
N-5170	Vaginal speculum, Brewer's.....	25
N-5175	Vaginal speculum, Thomas-Cusco's, with folding handle.....	25
N-5180	Vaginal speculum, Hughes's, three sizes, each.....	25
N-5185	Vaginal speculum, Hyslop-Miller's, parallel, three sizes, each.....	25
N-5190	Vaginal speculum, Graves's, three sizes, each, \$2.50; extra large size.....	25
N-5195	Vaginal speculum, Caranigh's, vaginal, \$2.00; operating.....	25
N-5200	Vaginal speculum, Miller's, three sizes, each.....	25
N-5205	Vaginal speculum, Hale's, two sizes, each.....	25

Positively all of our vaginal speculums are made of wrought metal, therefore years of repeated boiling will not make them rusty and porous as in the case with ordinary speculums made of cheap brass casting.

Do not mutilate catalogue.—Specify section letter and number in ordering.



VAGINAL SPECULA AND RETRACTORS



N-5270

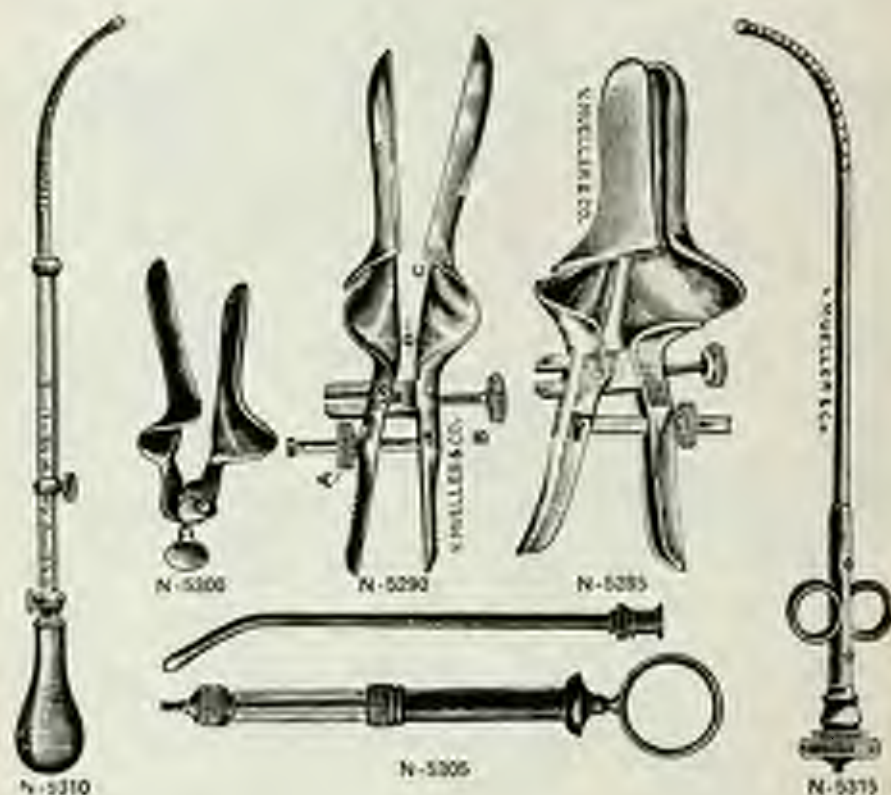
model, with wide blade and retractable weight..... \$4.50



N-5265

N-5210	Retractor, Jackson's, ball end, No. 1	
	blade 2 1/2 in. long 3/4 in. wide, No. 2	
	ball, No. 2 1/2 in. each.....	\$1.25
N-5215	Retractor, Eastman's, ball end, 6-	
	menstrual size as above, each.....	1.00
N-5220	Retractor, Jackson's, six sizes, 1 1/2	
	in., 1 3/4 in., 1 1/2 in., 1 3/4 in., 1 1/2	
	in., 1 3/4 in., 1 1/2 in., each.....	1.10
N-5225	Retractor, Eastman's, six sizes, 6-	
	menstrual size as above, each.....	1.05
N-5230	Retractor, Kim's, three sizes, each.....	1.25
N-5235	Speculum, Kim's, two sizes, each.....	1.35
N-5240	Retractor, Kelly-Kim's, three sizes,	
	each.....	1.00
N-5245	Retractor, Martin's.....	1.50
N-5250	Retractor, Boyer's, six sizes, 2 1/2 in.	
	in., 2 3/4 in., 2 1/2 in., 2 3/4 in., 2 1/2	
	in., 2 3/4 in., 2 1/2 in., each.....	2.15
N-5255	Retractor, Dupon-Kelly's, six sizes, 6-	
	menstrual size as above, each.....	1.75
N-5260	Specula, weighted, Garrigue's, and 11	
	instruments.....	2.50
N-5265	Specula, weighted, Annard's.....	2.00
N-5270	Specula, weighted, Arrard's, latest	
	model, with wide blade and retractable weight.....	\$4.50

Do not mutilate catalogue.—Specify section letter and number in ordering.



SPECULA, ELEVATORS, TENTS, ETC.



N-528	Speculum, Graves', operati-	
180	.....	\$2 15
N-529	Speculum, Bockey's, self-co-	
lating, operating	.....	2 50
N-530	Speculum, DeVilliers', paral-	
lized opening, operating	.....	1 50
N-531	Speculum, vaginal, De Vi-	
lliers', three sizes, each	.....	1 50
N-532	Speculum, Ponsard's, vaginal	
	.....	2 00
N-533	Syringe, sterile, Brown's	
	.....	1 05
N-534	Sound, Peck's, apical	
	.....	2 00
N-535	Elevator, Elliott's, all metal	
apical	.....	2 50
N-536	Tents, sea tangle, dozen,	
10 1/2" hollow, dozen	.....	90
N-537	Tents, tapers, dozen, 20 1/2";	
hollow, dozen	.....	90
N-538	Tents, sponge, dozen, 10-12";	
carved, dozen	.....	1 50

Do not mutilate catalogue.—Specify section letter and number in ordering.

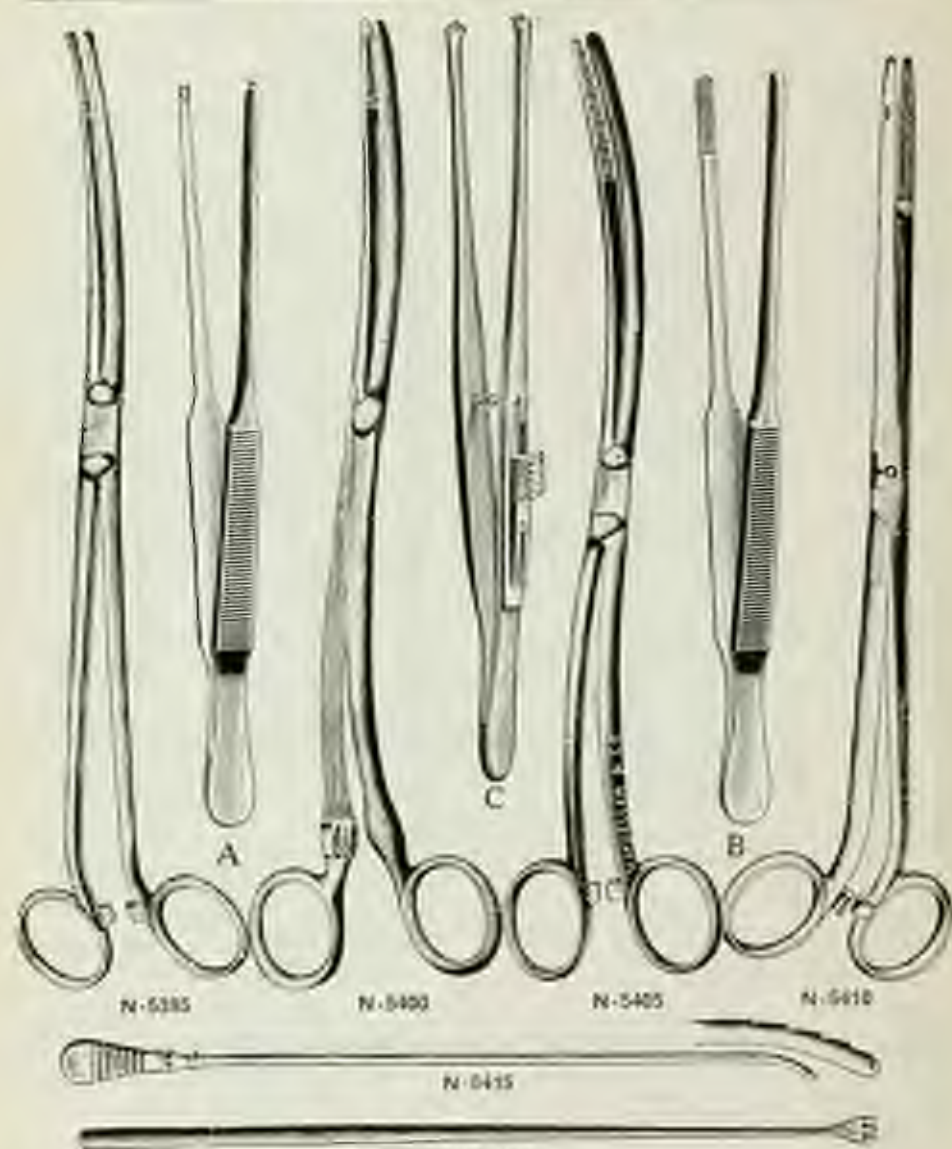


N-5390

APPLICATORS, PROBES, TENACULAS

N-5330	Wire twister, Eschmann's.....	11
N-5335	Probe, fine silver.....	12
N-5340	Probe, copper, silver or nickel plated.....	13
N-5345	Probe, Simpson's, graduated, silver or nickel plated.....	14
N-5350	Applicator, with triangular or spiral end.....	15
N-5355	Applicator, aluminum or copper, flat end, each.....	16
N-5360	Applicator, aluminum, spiral end, 4, 5 and 7 in. long, each.....	17
N-5365	Applicator, with slide.....	18
N-5370	Tampon, arrow, nickel plated.....	19
N-5375	Tampon, sharp, Oschner's.....	20
N-5380	Tenaculum, sharp, Pratt's.....	21
N-5385	Hook, blunt, Pratt's.....	22
N-5390	Tissue packer, uterine, two sizes, each.....	23

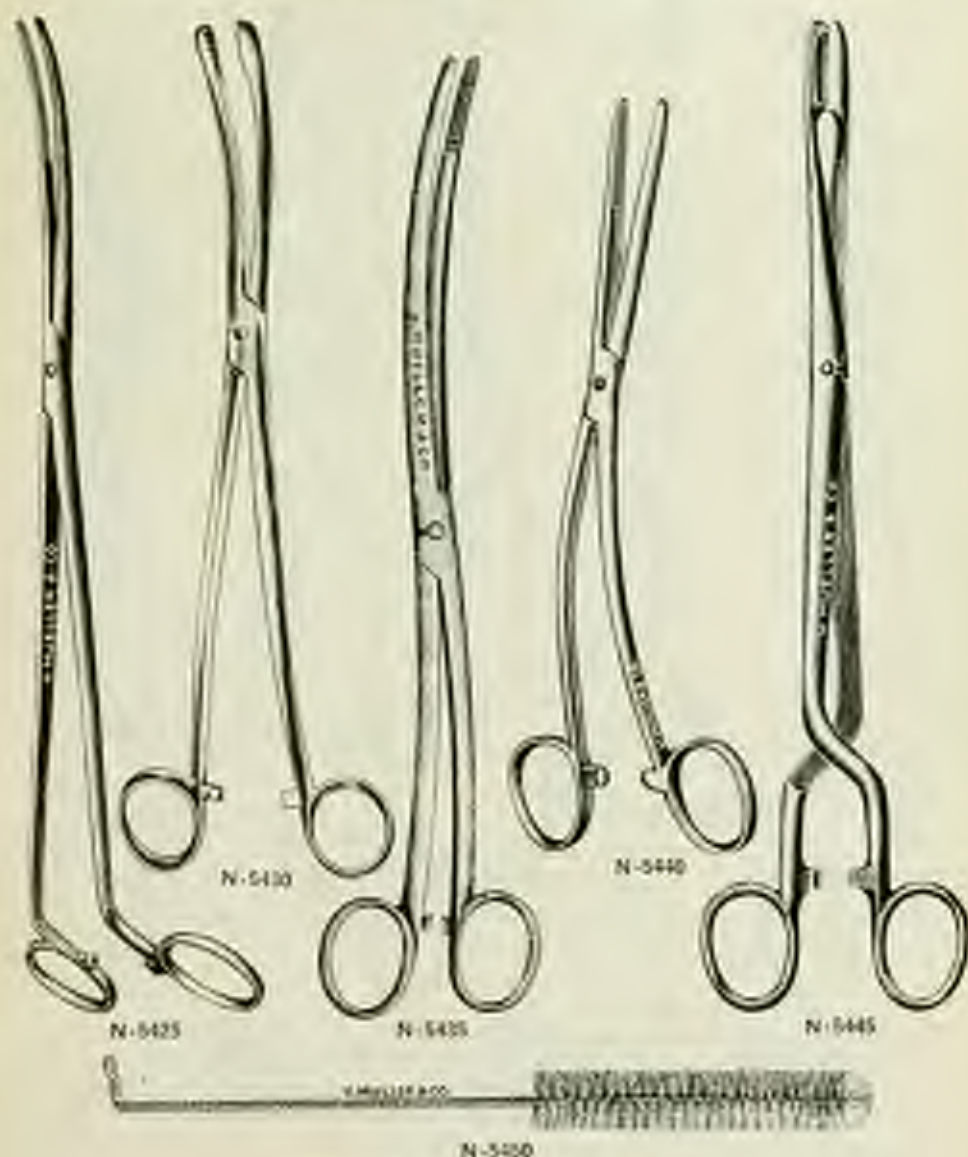
Do not mutilate catalogue.—Specify section letter and number in ordering.



UTERINE DRESSING FORCEPS AND PACKERS

N-5385	Forceps, uterine dressing, Thomas', 8 1/2 in.	1.00
N-5400	Forceps, uterine dressing, Mylodon's, 8 in.	1.00
N-5405	Forceps, uterine dressing, Bowman's, Collins' lock	1.00
N-5410	Forceps, uterine dressing, Elliott's, 8 in.	1.00
N-5415	Forceps, spring, large, inner tooth, 8 in.	1.00
N-5420	Forceps, spring, large, serrated, 8 in.	1.00
N-5425	Forceps, spring, large, with side, inner tooth, outer and 8 in. teeth, 8 in.	1.00
N-5430	Packer, uterine, Hays's	1.00
N-5435	Packer, uterine, Kelly's	1.00

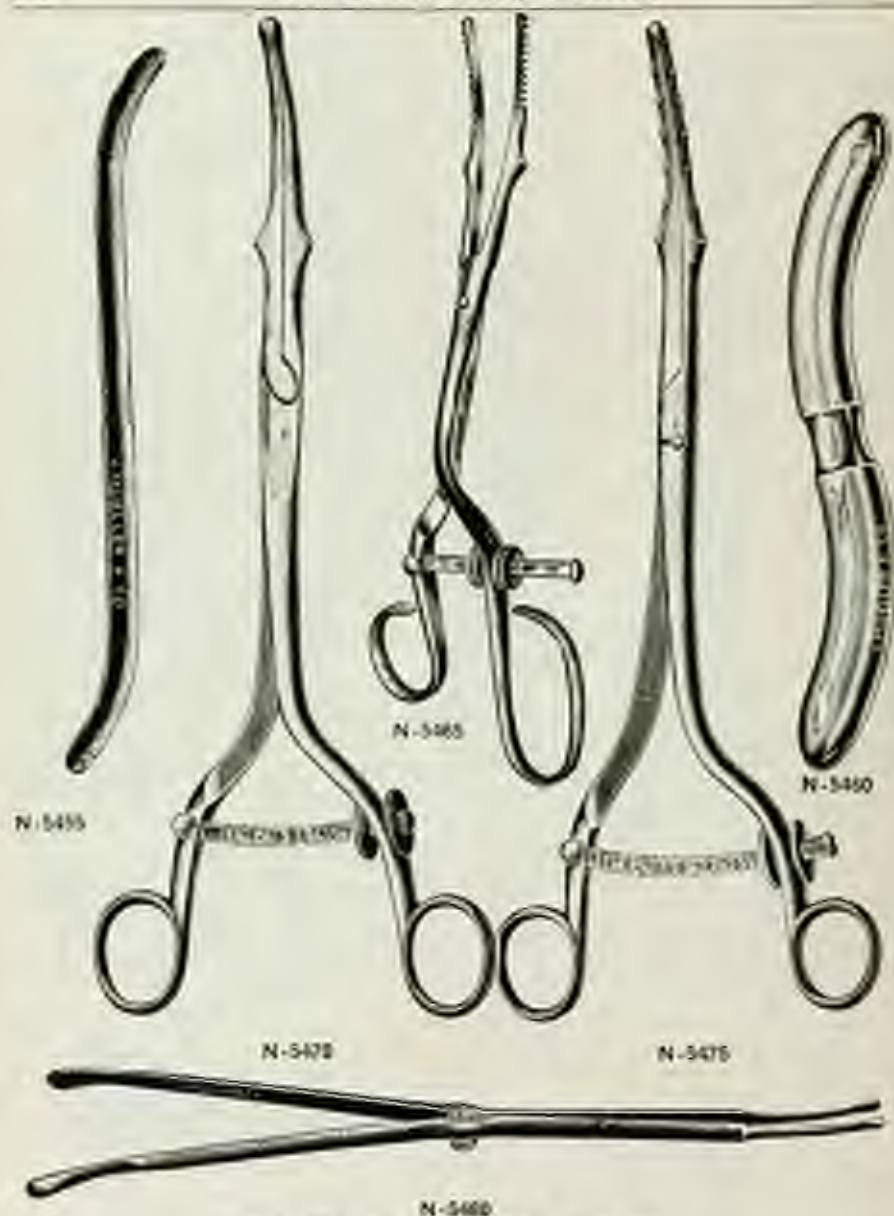
Do not mutilate catalogue.—Specify section letter and number in ordering.



UTERINE DRESSING FORCEPS, ETC.

N-5425	Dressing forceps, similar, Warner's, 10 in.	\$5.75
N-5430	Dressing forceps, similar, Dr. Lee's, heavy	5.00
N-5435	Dressing forceps, similar, Bismarck's, with slide or screw lock	5.00
N-5440	Dressing forceps, similar, Harrett's, 14 in.	5.00
N-5445	Dressing forceps, similar, Kienboeck's, 14 in.	5.00
N-5450	Uterine brush, Newcomb's	1.00

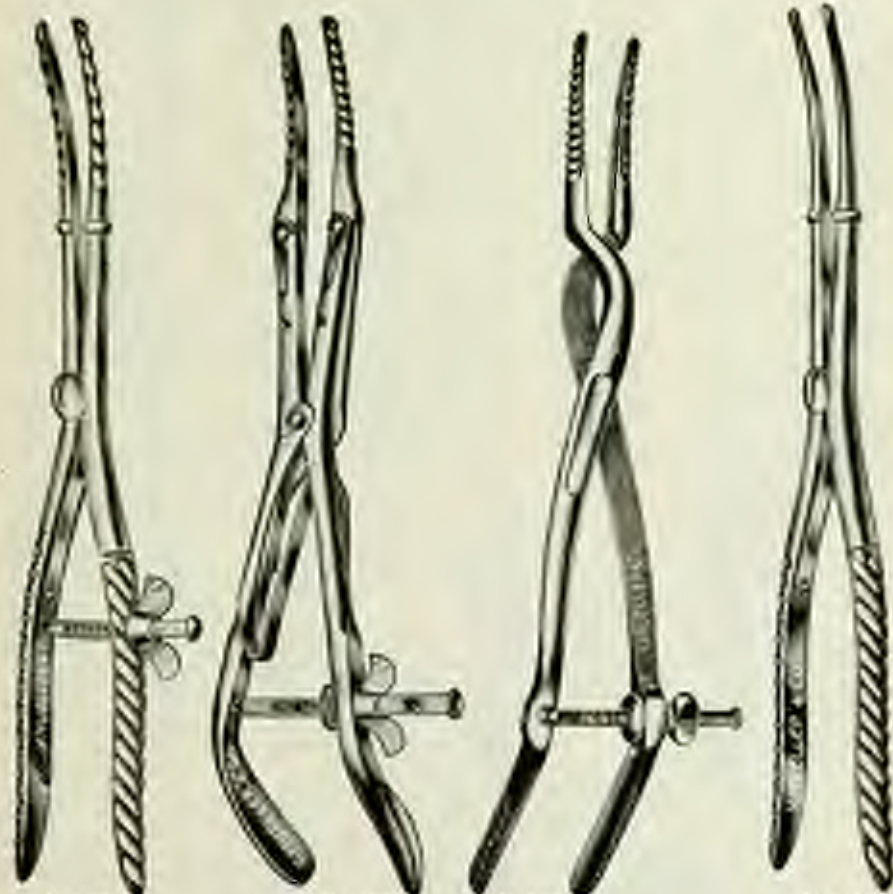
Do not mutilate catalogue.—Specify section letter and number in ordering.



UTERINE DILATORS AND SOUNDS

N-5455	Sound, Pratt's, double ended, sizes 1 to 14 sizes, each.....	30 00
N-5460	Dilator, Kelly's, sizes 1 to 20 mm, eight in set, 15 sizes, each 20 00; hollow, each.....	1 40
N-5465	Dilator, Palmer-Utzinger.....	2 50
N-5475	Dilator, Palmer's, with smooth end, 30% in.....	2 50
N-5475	Dilator, Palmer's, with fluted end, 30% in.....	2 50
N-5480	Dilator, Starlinger's, double ended, two sizes, 12 in.....	1 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



N-5490

N-5500

N-5495

N-5485

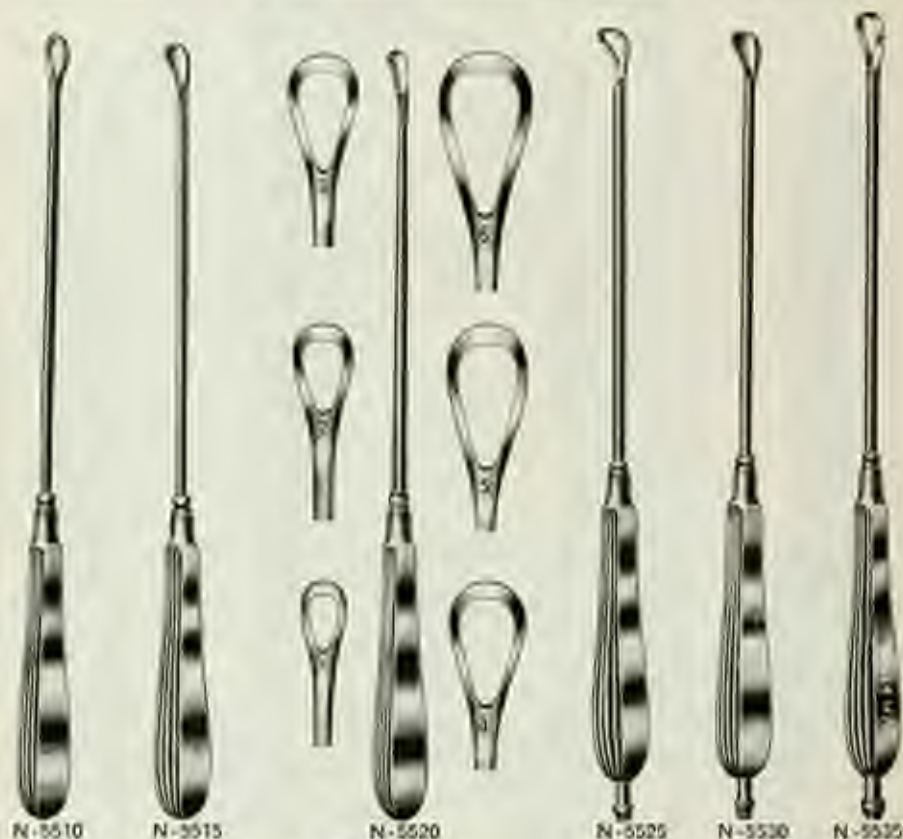


N-5505

UTERINE DILATORS

N-5490	Dilator, Wyllie's, based on plain ends, 12 in.	22 00
N-5490	Dilator, Wyllie's, with gauge, based on plain ends.	25 00
N-5490	Dilator, Wyllie's, 12 in.	3 00
N-5500	Dilator, Goodell's. The latest improved model is slightly different from the illustration. Made in two sizes 11 in., and 12 in., each.	5 00
N-5505	Dilator, Sims', three bladed, 10½ in.	8 00

Do not mutilate catalogue.—Specify section letter and number in ordering.

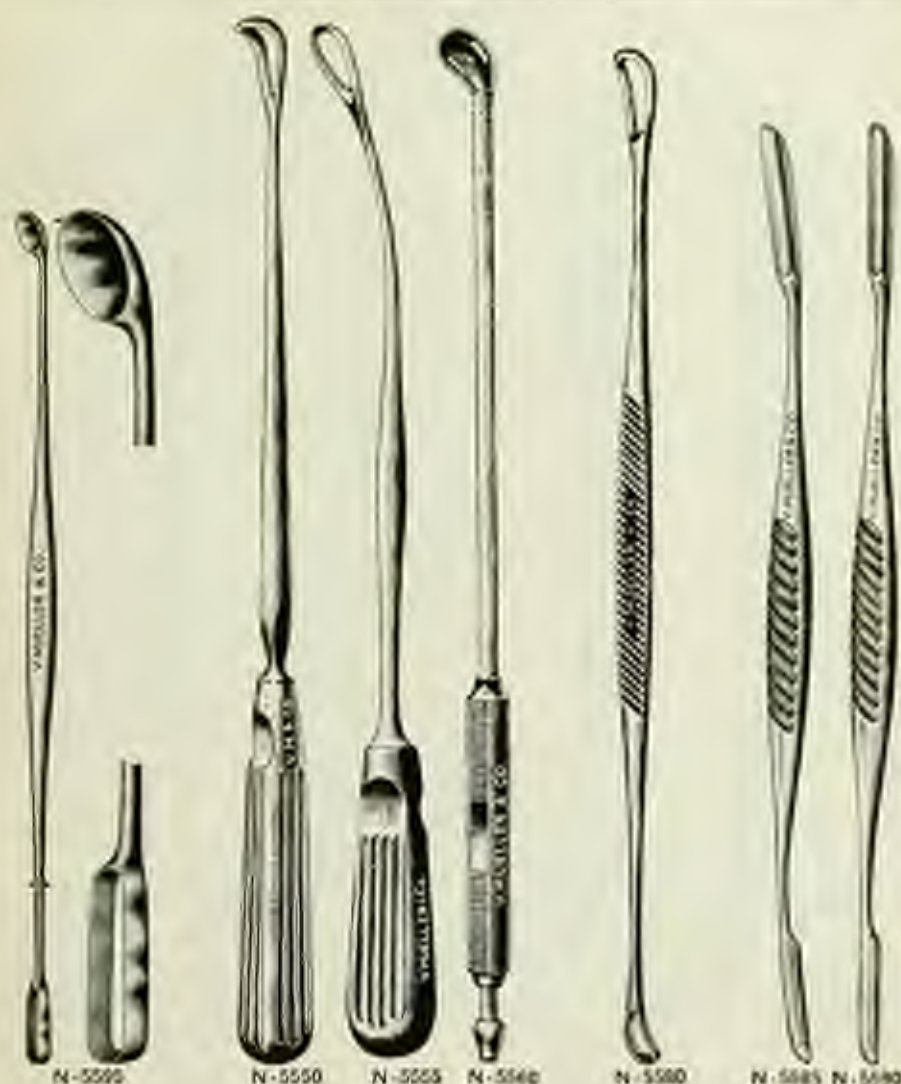


UTERINE CURETTES

N-5510	Curette, uterine, Thomas', small, three sizes, each.....	36 50
N-5515	Curette, uterine, Moore's, spoon shaped, three sizes, blunt, each.....	1 00
N-5520	Curette, uterine, Moore's, sharp, six sizes, each.....	1 00
N-5525	Curette, uterine, irrigating, blunt, each.....	1 25
N-5530	Curette, uterine, irrigating, spoon shaped, blunt.....	1 25
N-5535	Curette, uterine, irrigating, sharp, three sizes, like Fig. N-5535A, each.....	1 00
N-5540	Curette, spoon shaped, sharp, Hydon's, with handle like Fig. N-5535, each.....	1 15
N-5545	Illustration showing actual size of curette described under Fig. N-5540.	

All curettes are finished with Berlin shanks, unless specified otherwise.

Do not mutilate catalogue.—Specify section letter and number in ordering.



UTERINE CURETTES—Continued

N-5590	Curette, sterile, Wistar's, sharp.....	\$1.75
N-5591	Curette, sterile, Wistar's, sharp, three sizes, each.....	1.75
N-5592	Curette, sterile, Goldstein's, blunt, trituration, made in three sizes, each.....	1.00
N-5593	Curette, sterile, spoon shaped, 2 1/2 in., not illustrated.....	1.00
N-5594	Curette, sterile, large spoon shaped, 1 1/2 in., not illustrated.....	1.00
N-5595	Curette, sterile, Thomas', blunt, ordinary, not illustrated.....	.00
N-5596	Curette, sterile, Hake's, double ended, 2 1/2 in.....	1.25
N-5597	Curette, sterile, Martin's, double ended, can be furnished sharp or blunt, curved, each.....	1.50
N-5598	Curette, sterile, Kapp's, double ended, can be furnished sharp or blunt, straight, each.....	1.50
N-5599	Curette, sterile, Charney-Wheeler's, double ended, flattened on one end, semi-circular on the other, sharp.....	1.50

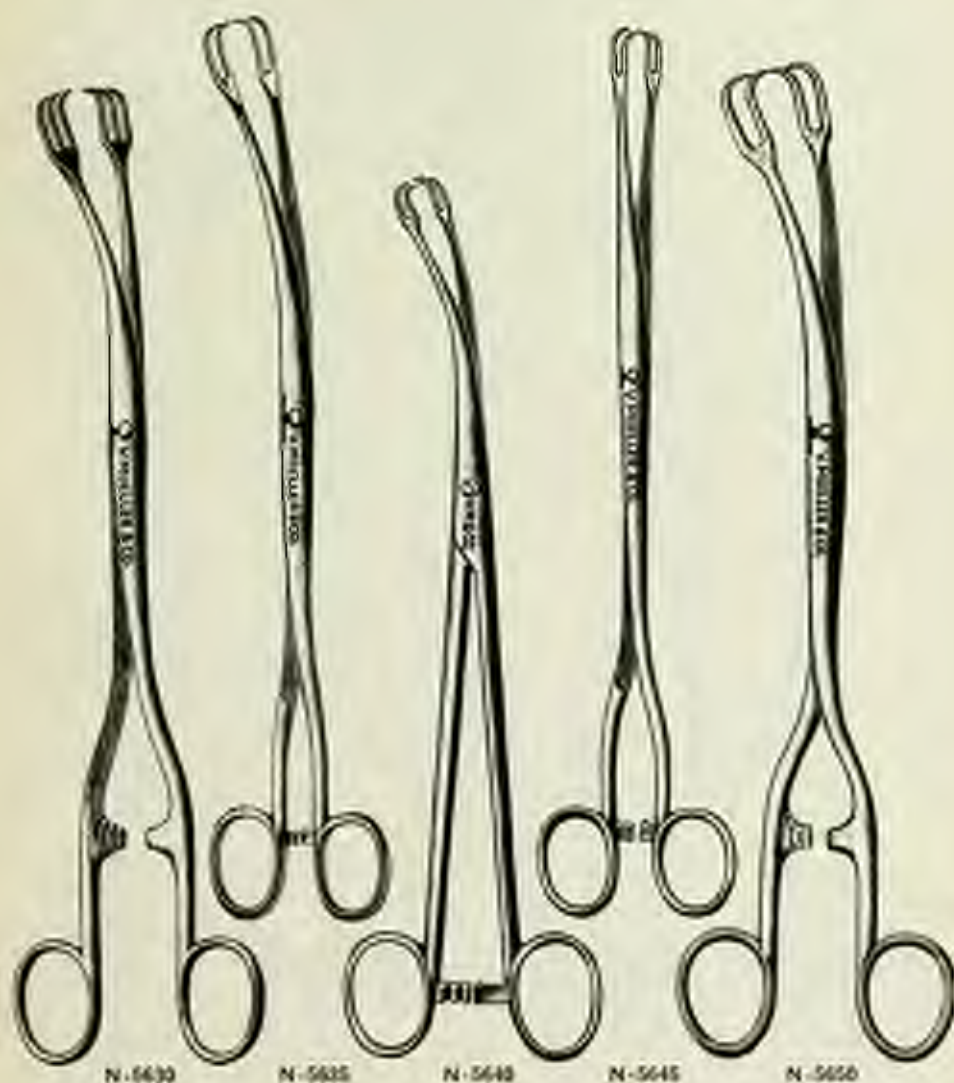
Do not mutilate catalogue.—Specify section letter and number in ordering.



TENACULA AND BULLET FORCEPS

N-5600	Bullet forceps, Tiemann's, $9\frac{1}{2}$ ins.	21 50
N-5605	Tenaculum forceps, Brown's, $9\frac{1}{2}$ ins.	1 00
N-5610	Tenaculum forceps, Schroeder's, $9\frac{1}{2}$ ins., and $9\frac{1}{2}$ ins., each.	2 50
N-5615	Tenaculum forceps, Pratt's, $9\frac{1}{2}$ ins.	2 00
N-5620	Bullet forceps, Ochs's, $9\frac{1}{2}$ ins.	1 00
N-5625	Tenaculum forceps, Schuster's, $10\frac{1}{2}$ ins.	2 00

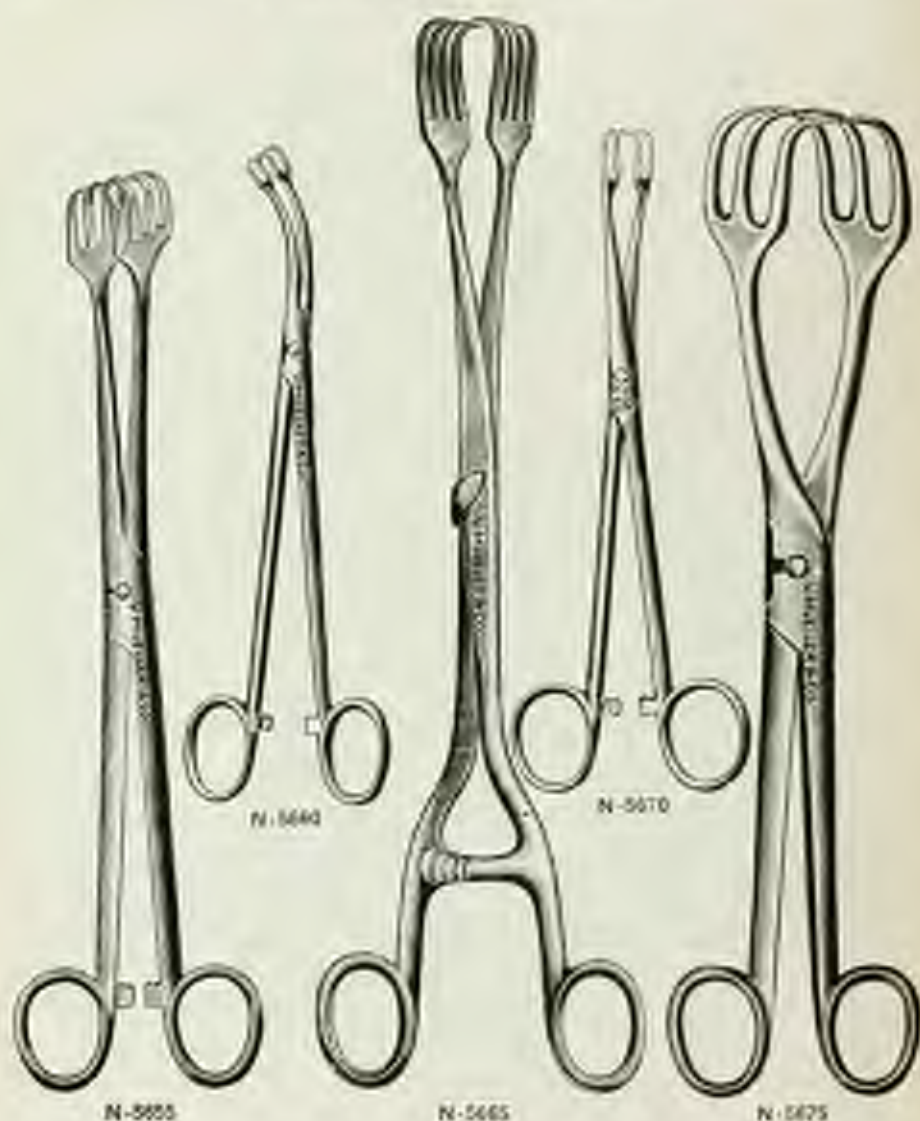
Tenaculum forceps N-5605, N-5610 are kept in stock with slide lock and with screw lock.



VULSELLUM FORCEPS

N-5630	Vulsellum forceps, Lange's, curved sidewise, six pronged, 10 ins.....	\$2.25
N-5635	Vulsellum forceps, curved sidewise, four pronged, light pattern, 9½ ins.....	1.50
N-5640	Vulsellum forceps, Lange's, curved sidewise, four pronged, 8 ins.....	.50
N-5645	Vulsellum forceps, straight, light pattern, four pronged, 9½ ins.....	1.50
N-5650	Vulsellum forceps, Schroeder's, curved sidewise, heavy, four pronged, 10 ins.....	2.00
Vulsellum forceps, Fig. N-5630, N-5640 and N-5650 are kept in stock with slide lock and with screw lock.		

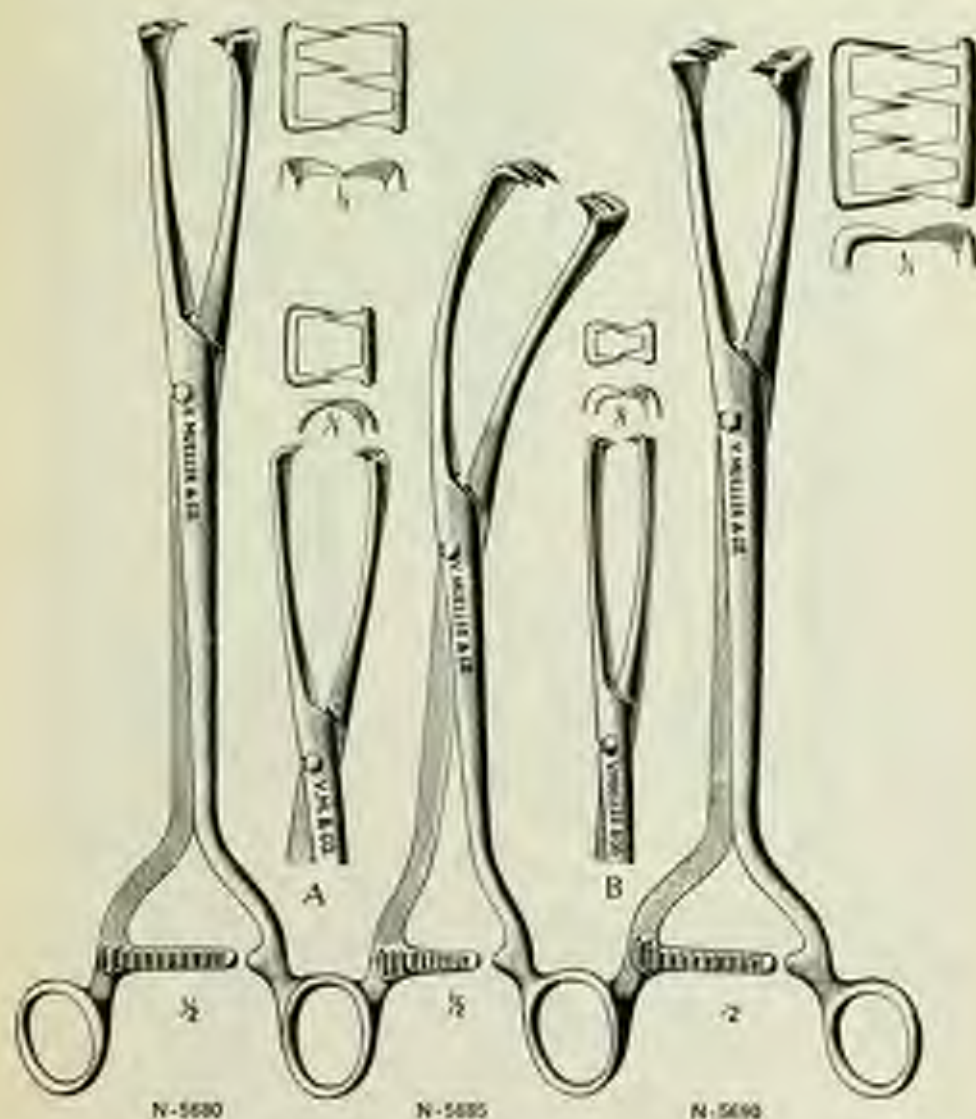
Do not mutilate catalogue.—Specify section letter and number in ordering.



VULSELLUM FORCEPS—Continued

N-5665	Vulsellum Forceps, Chalmers's, right, curved, 10 in.	\$1.00
N-5666	Vulsellum Forceps, Hartman's, curved, 10 in.	1.00
N-5667	Vulsellum Forceps, Hartman's, small, straight, 10 in.	1.00
N-5670	Vulsellum Forceps, Hartman's, right, curved, 10 in.	1.00
N-5675	Vulsellum Forceps, Hartman's, left, curved, 10 in.	1.00

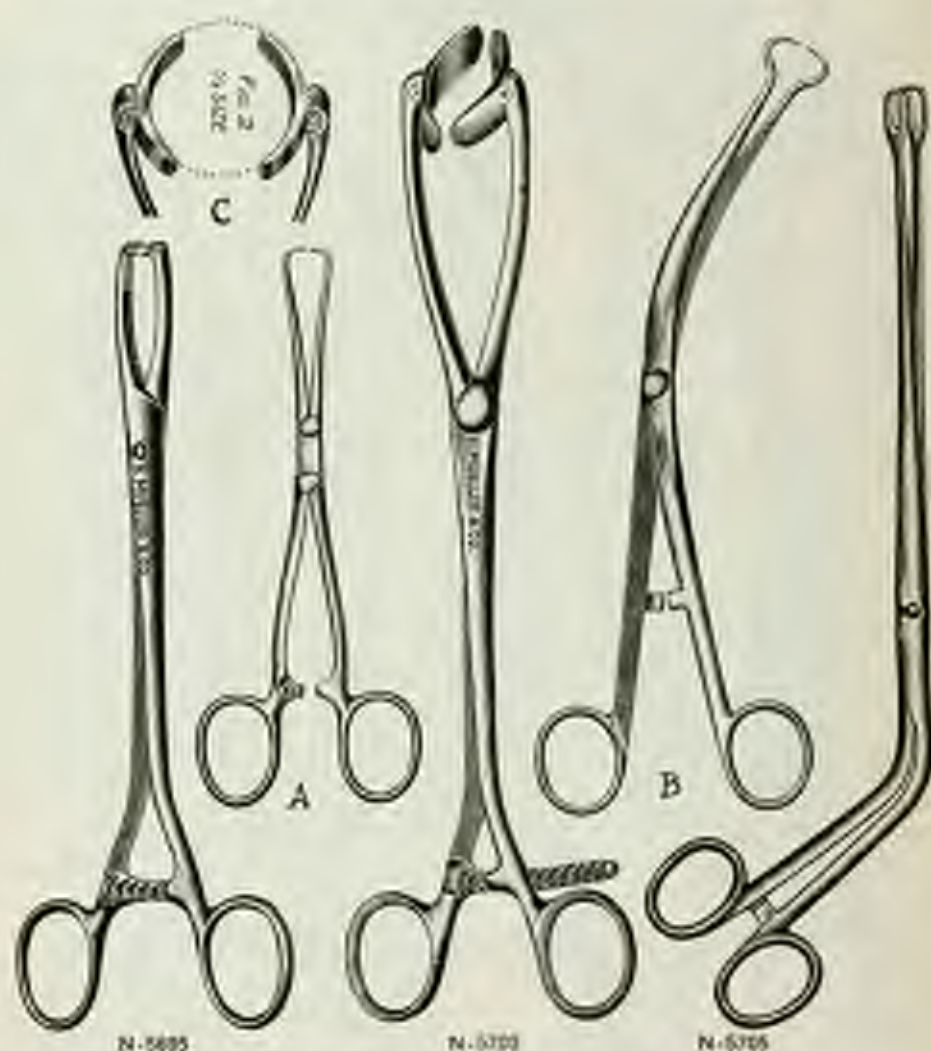
Do not mistake catalogue.—Specify section letter and number in ordering.



VULSELLUM FORCEPS—Continued

N-5680	Vulsellum forceps, Collin's, heavy, six pronged, 10 ins.	\$2.25
N-5685	Vulsellum forceps, Collin's, heavy, curved, 10 ins., four pronged, 41.50; six pronged, \$2.80; eight pronged, 3.50	2.50
N-5690	Vulsellum forceps, Collin's, heavy for tumor, eight pronged, 10 ins.	2.50
N-5690A	Vulsellum forceps, Eichen's, straight, four pronged, 10 ins.	2.25
N-5690B	Vulsellum forceps, Eichen's, light pattern, straight or curved, four pronged, 9 1/2 ins.	2.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



VULSELLUM AND UTERINE TRACTION FORCEPS

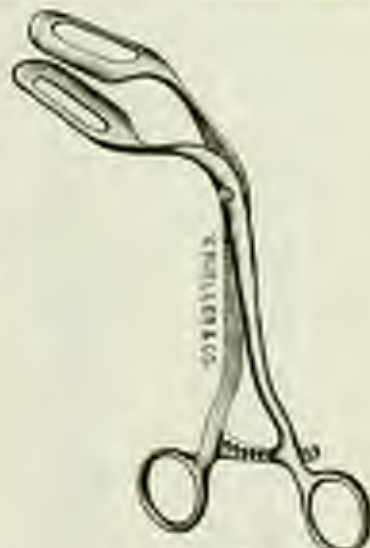
N-5695	Vulsellum forceps, Jacob's, four pronged, 8½ in.	\$2.00
N-5700	Uterine traction forceps, Collis-Welsh's, 10 in.	1.50
Fig. C illustrating Collis-Welsh's forceps open. Illustration by actual size.		
N-5705	Vulsellum forceps, Leonard's, curved handle, four pronged, 10 in.	2.00
N-5706	Uterine traction forceps, Ferguson's, 12 in., with screw lock or Collis's lock	1.50
N-5707	Tenaculum forceps, Skene's, curved blades, 8 in.	1.50



N-5719



N-5723B



N-5715



N-5725A

UTERINE TRACTION AND ELEVATING FORCEPS

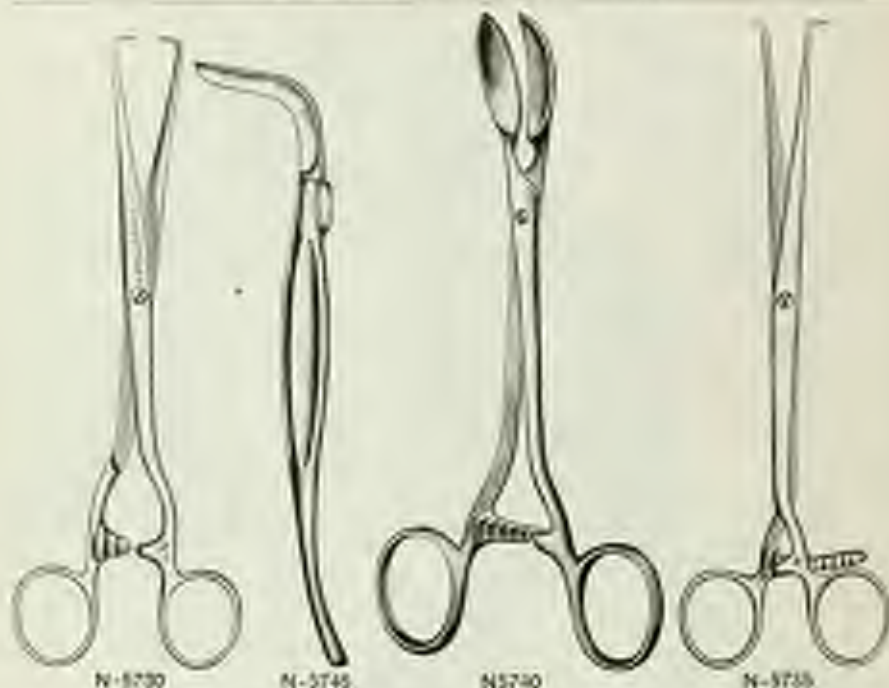
- N-5719 Uterine traction forceps,
Sumner's \$1.95
N-5715 Uterine elevating and trac-
tion forceps, Berry's 2.00
N-5720 Uterine elevating forceps,
Barber's 2.50
N-5725 Uterine traction forceps, A.
Miles Taylor's 2.50
N-5725A Illustrates the use of the
A. Miles Taylor traction
forceps. This has been pro-
posed by the surgeons
who are using it, the best
forceps of this type.
N-5723B Illustrates the application
of Sumner's and Berry's
uterine traction forceps.



N-5720



N-5725



N-5730

N-5745

N-5740

N-5735



N-5750

TENACULA OVARIAN FORCEPS, ETC.

N-5751	Tenaculum Joseph, Barrett's, light cut- ting, 7 in.	\$2.25
N-5752	Tenaculum Joseph, Barrett's, double- cutting, 7 in.	2.25
N-5753	Ovarian Joseph, Barrett's	2.50
N-5754	Knife, for cervical incision, Barretr's	1.75
N-5755	Krause, Smith's, straight or curved, 1862	2.50
N-5756	Tumor screw, DeGonzalez, M. Co.	1.25
N-5757	Tumor screw, Ogden's, 1 in.	1.50

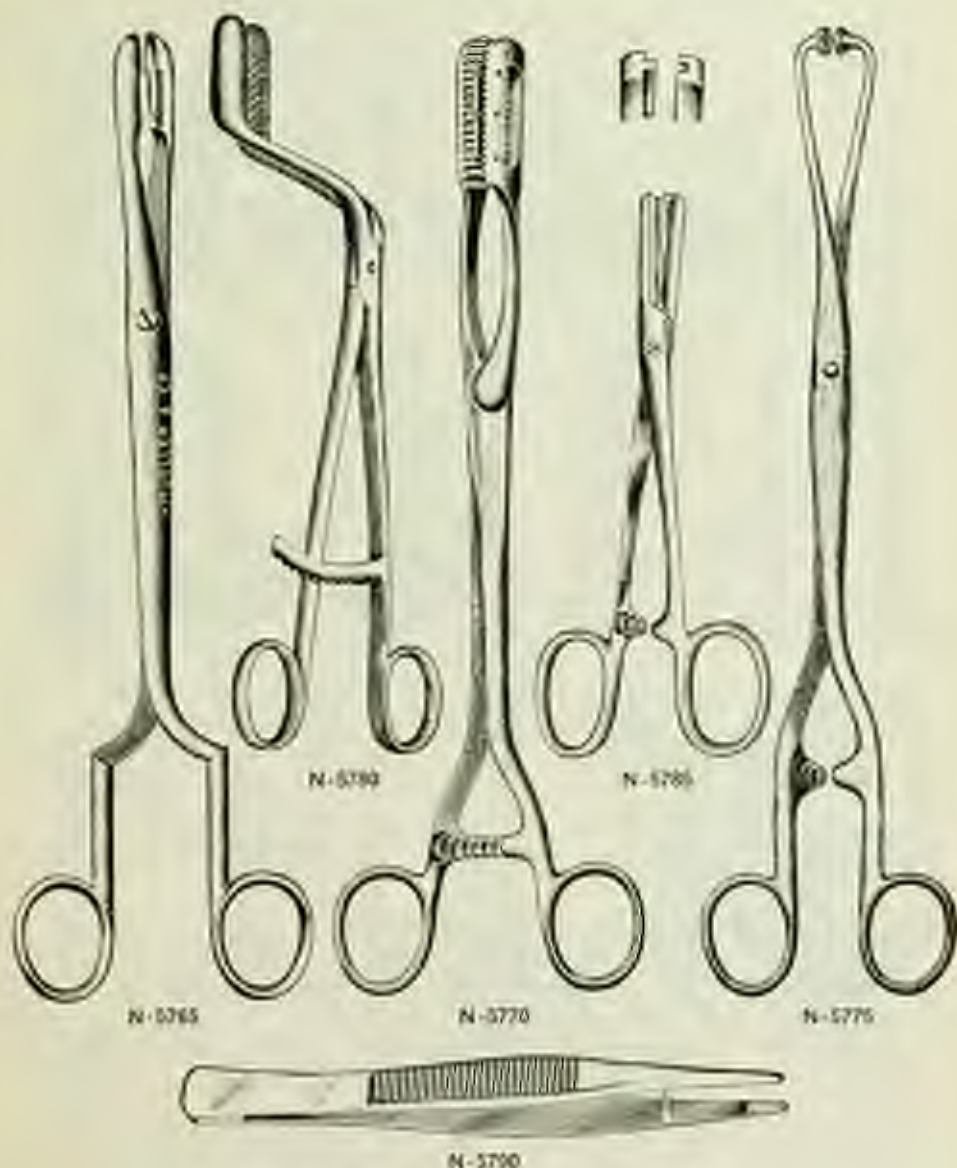


N-5758



N-5760

Do not mutilate catalogue.—Specify section letter and number in ordering.



TUMOR FORCEPS AND CLAMPS

X-5765	Tumor forceps, curved edge, Schallert's, 11 in.	21 00
X-5769	Moorehead's, curved, Schallert's, 11 in.	21 00
X-5770	Moorehead's, curved, Schallert's, 11 in.	21 00
X-5775	Moorehead's, curved, Schallert's, 11 in.	21 00
X-5780	Moorehead's, curved, Schallert's, 11 in.	21 00
X-5780	Moorehead's, curved, Schallert's, 11 in.	21 00
X-5780	Moorehead's, curved, Schallert's, 11 in.	21 00
X-5780	Moorehead's, curved, Schallert's, 11 in.	21 00
X-5780	Moorehead's, curved, Schallert's, 11 in.	21 00
X-5780	Moorehead's, curved, Schallert's, 11 in.	21 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



UTERINE STEMS AND PESSARIES

N-5795	Stem pessary, Chamber's, self-spreading, hard rubber.	\$0.75
N-5800	Stem pessary, Chamber's, self-spreading, metal, plated.	1.00
N-5800A	Introduced for Chamber's stem pessary, not illustrated.	
N-5800	Stem pessary, Chamber's, self-spreading, made in three sizes, straight and curved, nickel-plated, each.	1.00
N-5800A	Introduced for Chamber's stem pessary, not illustrated.	
N-5825	Stem pessary, aluminum, made in four sizes, each 26-27; made in hard rubber, each 26-27; introduced for aluminum stem pessary, each.	1.00
N-5815	Pessary, aluminum cup, made in three sizes, each.	1.00
N-5820	Pessary and drainage tube, Chamber's, aluminum.	1.00
N-5825	Stem pessary, Jackson's, hard rubber.	1.00
N-5830	Stem pessary, Jackson's, soft rubber.	1.00
N-5835	Stem pessary, Thomas', glass.	1.00
N-5840	Stem pessary, Cole's, hard rubber.	1.00
N-5845	Stem pessary, Todd's, hard rubber.	1.00
N-5850	Stem pessary, Wyllie's, three sizes, 15, 20 and 25 Fr. each, each.	1.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



N-5855



N-5860



N-5875



N-5780



N-5885



N-5890



N-5895



N-5900



N-5905



N-5910



N-5915



N-5920



N-5925



N-5930



N-5940



N-5945



N-5950



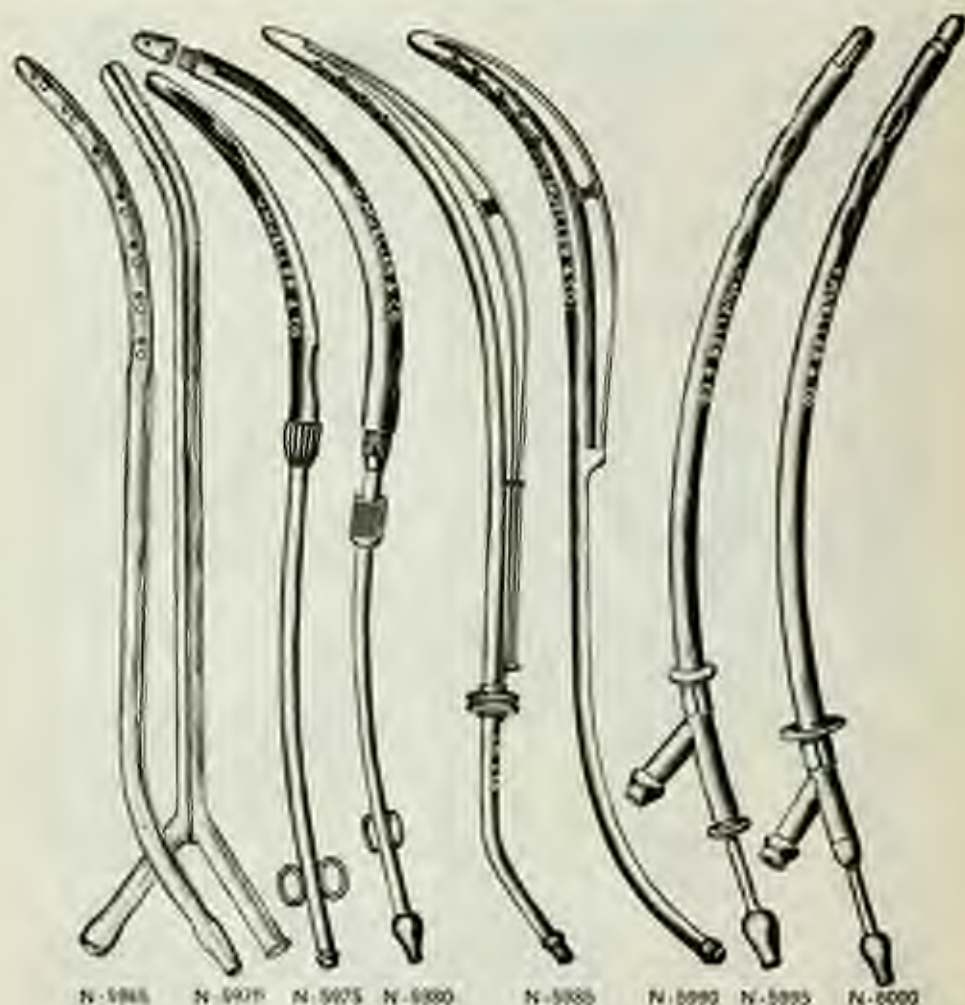
N-5955



N-5960

PESSARIES, PROLAPSE, ANTEVERSION, ETC.

N-5855	Soft rubber, inflated, pear shaped, each.....	\$6.50	N-5945	Hard rubber, Thomas', sized, each.....	\$2.00
N-5860	Zinn's, hard rubber, four sizes, each.....	1.75	N-5946	Hard rubber, Skene's, cystoscope, each.....	1.25
N-5875	Thomas' cup with belt.....	1.00	N-5947	Hard rubber, Thomas', fifth pattern.....	1.75
N-5885	Cup with belt, Collier's.....	1.00	N-5948	Copper ring, rubber covered.....	.50
N-5890	Hard rubber, Smith modified by Thomas.....	.80	N-5949	Bell shaped, each (illustrated) hard rubber, each \$6.00 glass, each.....	50
N-5895	Hard rubber, Thomas', each.....	.75	N-5950	Soft rubber, inflated, low grade, maroon rubber, five sizes, each.....	.40
N-5900	Hard rubber, Smith's, six sizes, each.....	.50	N-5951	Soft rubber, solid five sizes, each.....	.40
N-5905	Hard rubber, Hodge's, six sizes, each.....	.50	N-5952	Hard rubber, hollow thick, each.....	.50
N-5910	Hard rubber, Skene's, for bladder.....	1.25	N-5953	Hard rubber, hollow.....	.50
N-5915	Hard rubber, Hewitt's.....	.40	N-5954	Hard rubber, quarts.....	.50



IRRIGATING DOUCHES, GLASS AND METAL

N 5845	Uterine douche, Chamberlain's, glass, return flow.....	50 15
N 5975	Irrigating douche, single channel, glass.....	50
N 5975	Uterine douche, Doorman's, metal, nickelplated, made in two sizes, 10 ins., each.....	1 00
N 5980	Uterine douche, Doorman Kelly's, two sizes, 10 1/2 ins., each.....	2 25
N 5985	Uterine douche, Leonard's, dilating, 11 ins.....	1 25
N 5990	Uterine douche, Leonard's, plain, 11 ins.....	80
N 5995	Uterine douche, Glasgow's, 11 ins.....	1 50
N 6000	Uterine douche, Jackson's, 11 ins.....	1 25
N 6000A	Uterine douche, Langstaff's modification of Leonard's (see Illustration).....	1 25

Do not mutilate catalogues.—Specify section letter and number in ordering.



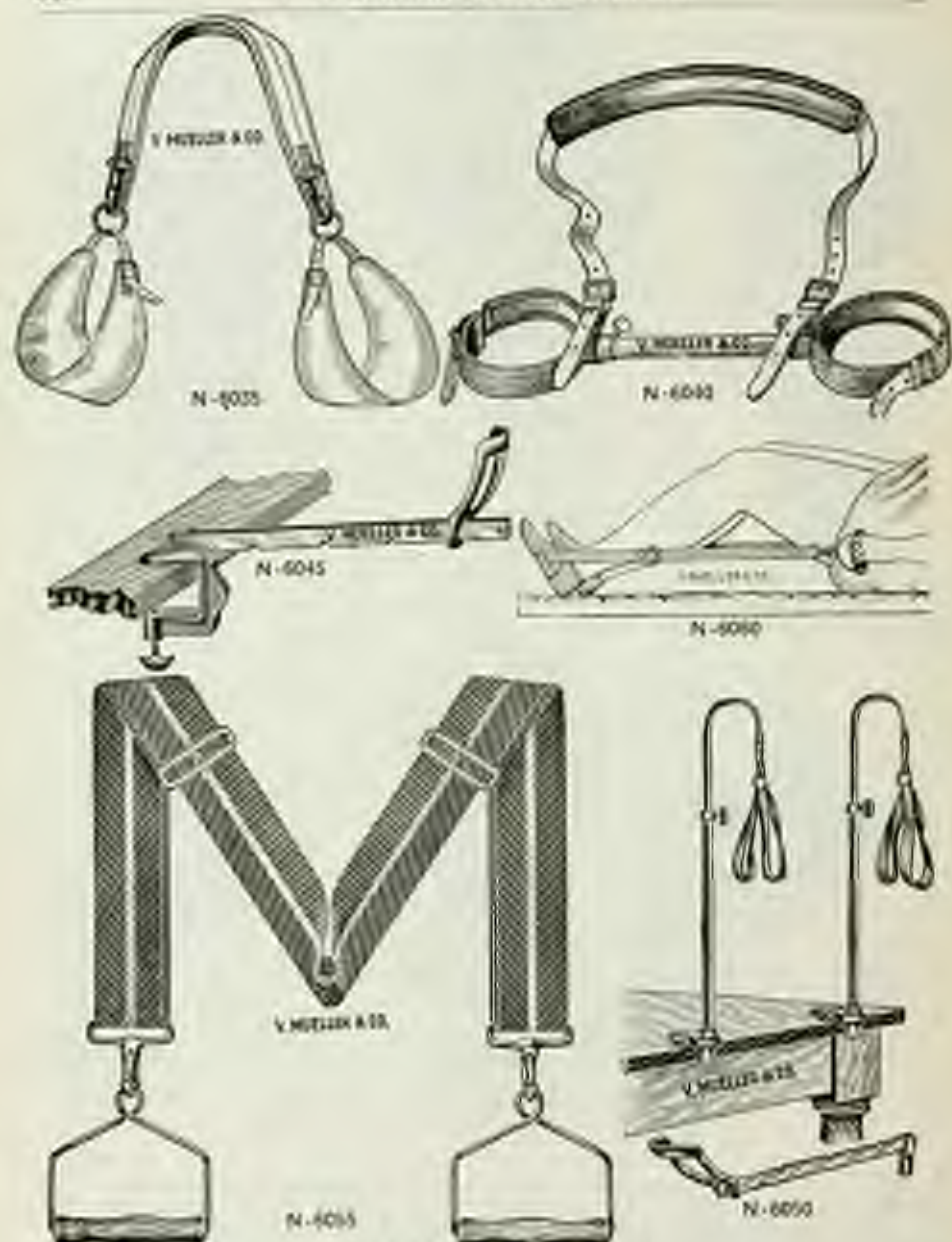
SURGICAL AND OBSTETRIC PADS

N-6000	Surgical and obstetric pad, Kelly's, reversible, made of natural rubber, good quality, 20x4, set, each, set	\$5.00
N-6010	Surgical and obstetric pad, Kelly's, with sleeve, 20x4, set \$6.00; 24x4, set	\$6.00
N-6015	Surgical and obstetric pad, Kelly's, 20x4, set \$2.00; 24x4, set	\$2.00
N-6020	Surgical pad, 11 in., set	\$1.00
N-6025	Surgical and obstetric pad, Morrison's, reversible, 20x4, set \$5.00; 24x4, set	\$5.00
N-6030A	Surgical and obstetric pad, extra large size, 24x22, set	\$5.00
N-6000A	Surgical and obstetric pad, Morrison's, with detachable sleeve, 20x4, set \$4.00; 24x4, set	\$4.00

N-6000A Each, natural rubber for isolating Kelly pads, each.

OWING TO THE CONTINUAL FLUCTUATION IN PRICE OF RUBBER, THE ABOVE PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Do not mutilate catalogue.—Specify section letter and number in ordering.



STIRRUPS AND LEG RESTS

N-6032	Leg holders, Modern's, made of heavy canvas	\$2.00
N-6035A	Leg holders, Kelly's, modern, 1 pair (leather covered)	1.25
N-6040	Leg holder, Corbin's, adjustable, leather covered	3.00
N-6043	Stirrups, Modern's, suitable for table or bed, pair	4.00
N-6045	Stirrups, Kelly's, adjustable, pair	7.00
N-6050	Over-the-table supports, made of canvas, pair	1.00
N-6055	Over-the-table supports, made of canvas, pair	2.00

Do not mutilate catalogue—Specify section letter and number in ordering.



PELVIMETERS

N-6082	Pelvicmeter, Callier's	\$1.00
N-6083	Pelvicmeter, Callier's	2.00
N-6085	Pelvicmeter, Martin's, graduation in centimeters, unless otherwise specified.	5.00
N-6088	Pelvicmeter, Callier's	4.00
N-6089	Pelvicmeter, Gottsch's, for internal measurements.	10.00
N-6090	Pelvicmeter, Bristle's	5.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



N-6095



N-6100



N-6105



N-6110



N-6115



N-6120



N-6125



N-6134

COLPEURYSTERS AND DILATORS

N-606	Colpeuryster, do. Hise's, three sizes, with stopcock, each.....	25 00
N-608	Colpeuryster, Younge's, four sizes, each, 25 1/2; extra large size, 3 in. at base, each.....	1 25
N-609	Colpeuryster, Barnes', three sizes, each.....	25 00
N-610	Colpeuryster, Hise's, with stopcock, two sizes, each.....	25 00
N-611	Cervix dilator, Hise's modification of Hise's, five branches.....	12 50
N-612	Cervix dilator, Pease's, four branches, (not illustrated).....	12 50
N-613	Cervix dilator, Hise's vaginal pattern, four branches.....	12 50
N-614	and N-615 Cervix dilator, four branches, very small at end, can be easily introduced.....	12 50

Do not mutilate catalogue.—Specify section letter and number in ordering.



N-6130



N-6140



N-6135



N-6140A



N-6150



N-6155

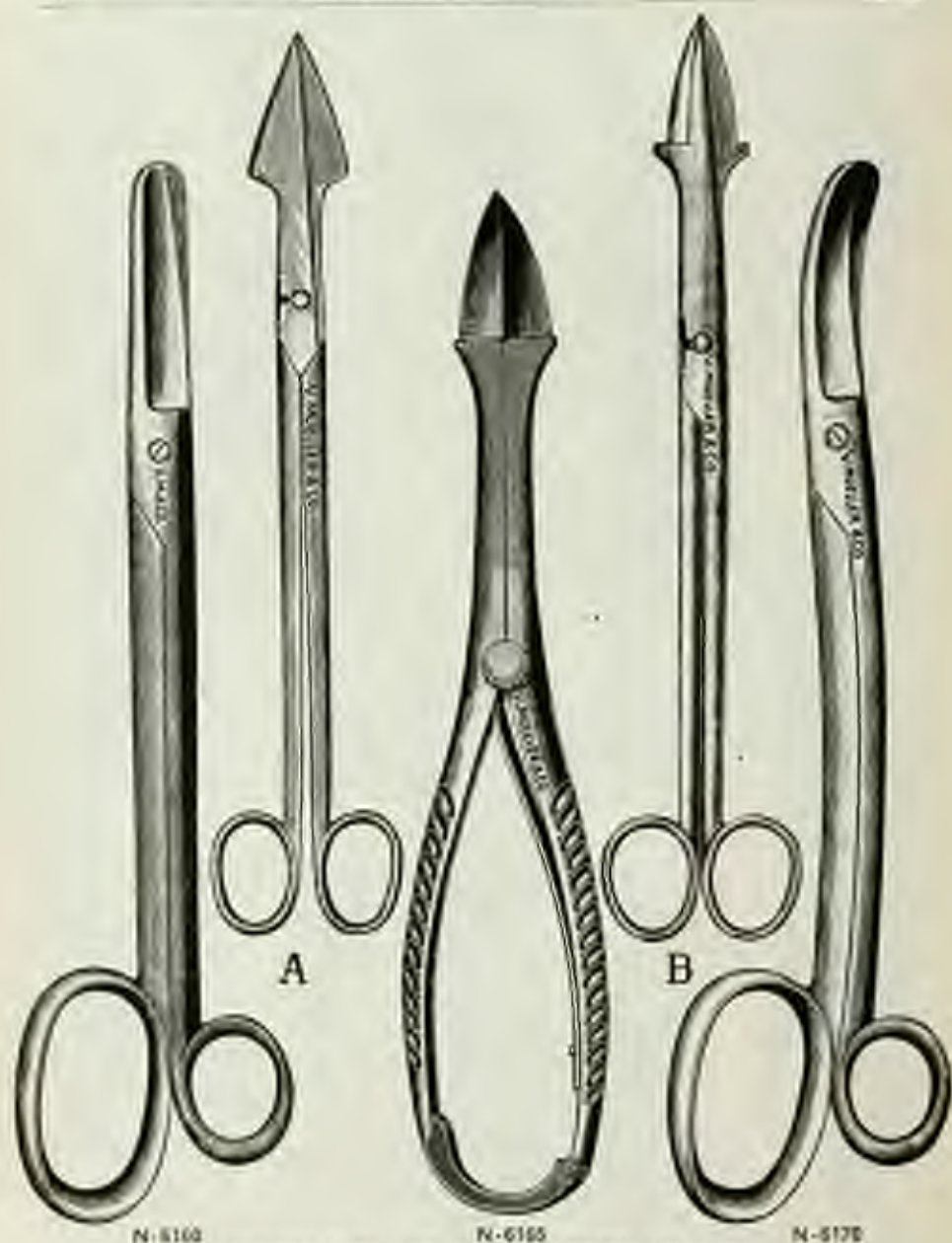
CRANIOCLASTS AND INHALERS

N-6130	Cranioclast, Brown's, made in two sizes, large pattern 11 in., 45 in.; small pattern 9 1/2 in.	\$1.00
N-6135	Cranioclast, cephalotribe and pessaire combined, Lang's	25.00
N-6140	Cranioclast, cephalotribe and pessaire combined, Tarnier's latest pattern	25.00
N-6140A	Cranioclast, forceps, Lang's, straight	\$1.00; curved, 3.00
N-6145	Cranioclast, forceps, Thomas'	4.00
N-6150	Oesophageal inhaler, Penzance's	1.50
N-6155	Oesophageal inhaler, Bennett's	1.00



N-6145

Do not mutilate catalogue.—Specify section letter and number in ordering.



N-6160

N-6165

N-6170

PERFORATORS AND CEPHALOTOMY SCISSORS

N-6160	Cephalotomy scissors, Dickinson's, 12 1/2 in.	\$1.00
N-6165	Perforator, No. 1, 12 1/2 in.	2.00
N-6166	Perforator, No. 2, 12 1/2 in.	2.00
N-6167	Perforator, No. 3, 12 1/2 in.	2.00
N-6168	Perforator, No. 4, 12 1/2 in.	2.00
N-6169	Perforator, No. 5, 12 1/2 in.	2.00
N-6170	Cephalotomy scissors, No. 1, 12 1/2 in.	2.00
N-6171	Cephalotomy scissors, No. 2, 12 1/2 in.	2.00
N-6172	Cephalotomy scissors, No. 3, 12 1/2 in.	2.00
N-6173	Cephalotomy scissors, No. 4, 12 1/2 in.	2.00
N-6174	Cephalotomy scissors, No. 5, 12 1/2 in.	2.00

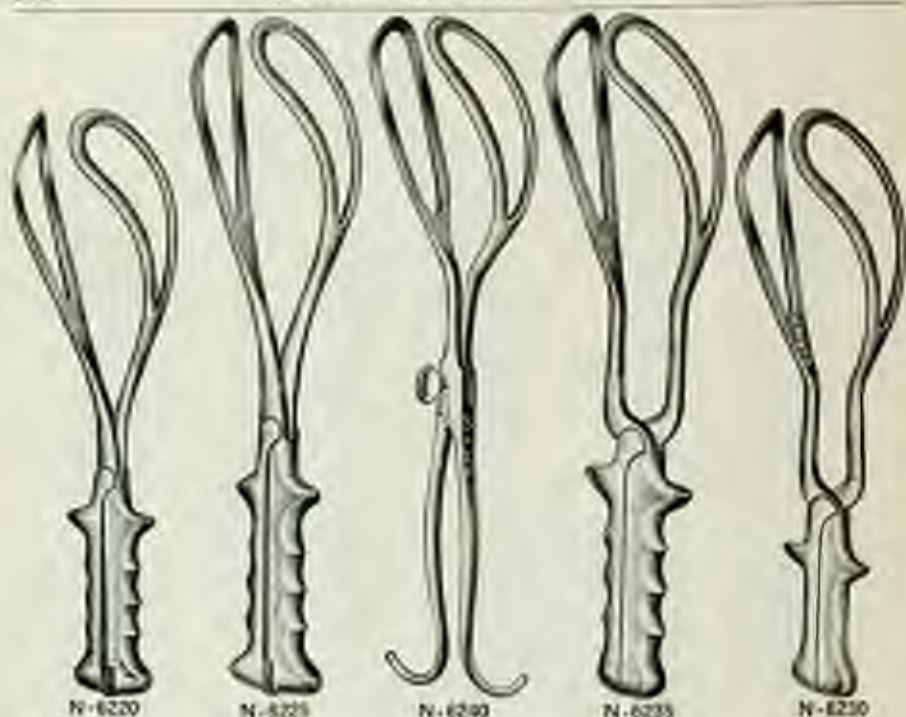
Do not mutilate catalogue.—Specify section letter and number in ordering.



PUBIOTOMY NEEDLES, OBSTETRIC HOOKS, ETC.

N-6175	Pubiectomy needle, Blandin's.....	12
N-6180	Pubiectomy needle, Simpson's.....	12
N-6183	Pubiectomy needle, Hirst's.....	12
N-6190	Emphysema knife, American pattern.....	12
N-6195	Emphysema knife, American pattern.....	12
N-6200	Hook and crescent, Scott's.....	12
N-6210	Hook, Deane's displacing.....	12
N-6210	Traction hook, Reynolds.....	12

Do not mutilate catalogue.—Specify section letter and number in ordering.

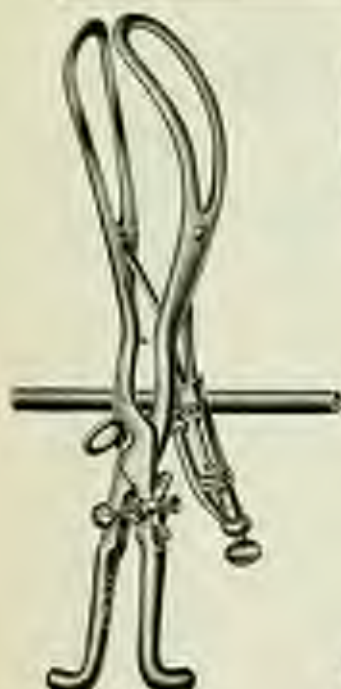


OBSTETRIC FORCEPS

N-6220	Obstetric forceps, Elliott's, short model	\$4.00
N-6225	Obstetric forceps, Elliott's, regular	3.00
N-6230	Obstetric forceps, Simpson's, short model	4.00
N-6235	Obstetric forceps, Simpson's, regular	4.00
N-6240	Obstetric forceps, Hodge's, long	4.00
N-6245	Obstetric forceps, Barnes-Hampson's	5.00
N-6250	Obstetric forceps, Hale's, short model	4.00
N-6255	Obstetric forceps, Hale's, long	4.00

Do not mutilate catalogue.—Specify section letter and number in ordering.

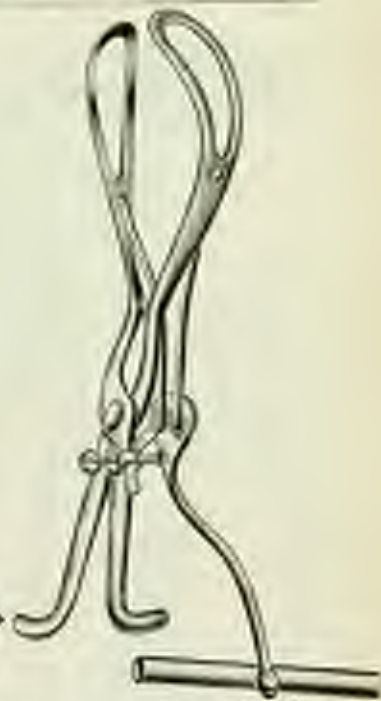




N-6255



N-6262



N-6265



N-6270

OBSTETRIC FORCEPS.—Continued

N-6255	Obstetric forceps, Tarnier's, with attraction, latest model, two sizes, each	25 00
N-6262	Obstetric forceps, Webster's modification of Miller-Murray's, latest model, box straight ribbed handles	12 00
N-6265	Obstetric forceps, Jewett's	13 50
N-6270	Obstetric forceps, Dewee's	15 00
N-6271	Obstetric forceps, Marshall's	13 50
N-6280	Obstetric forceps, Lamm's	5 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



N-6275



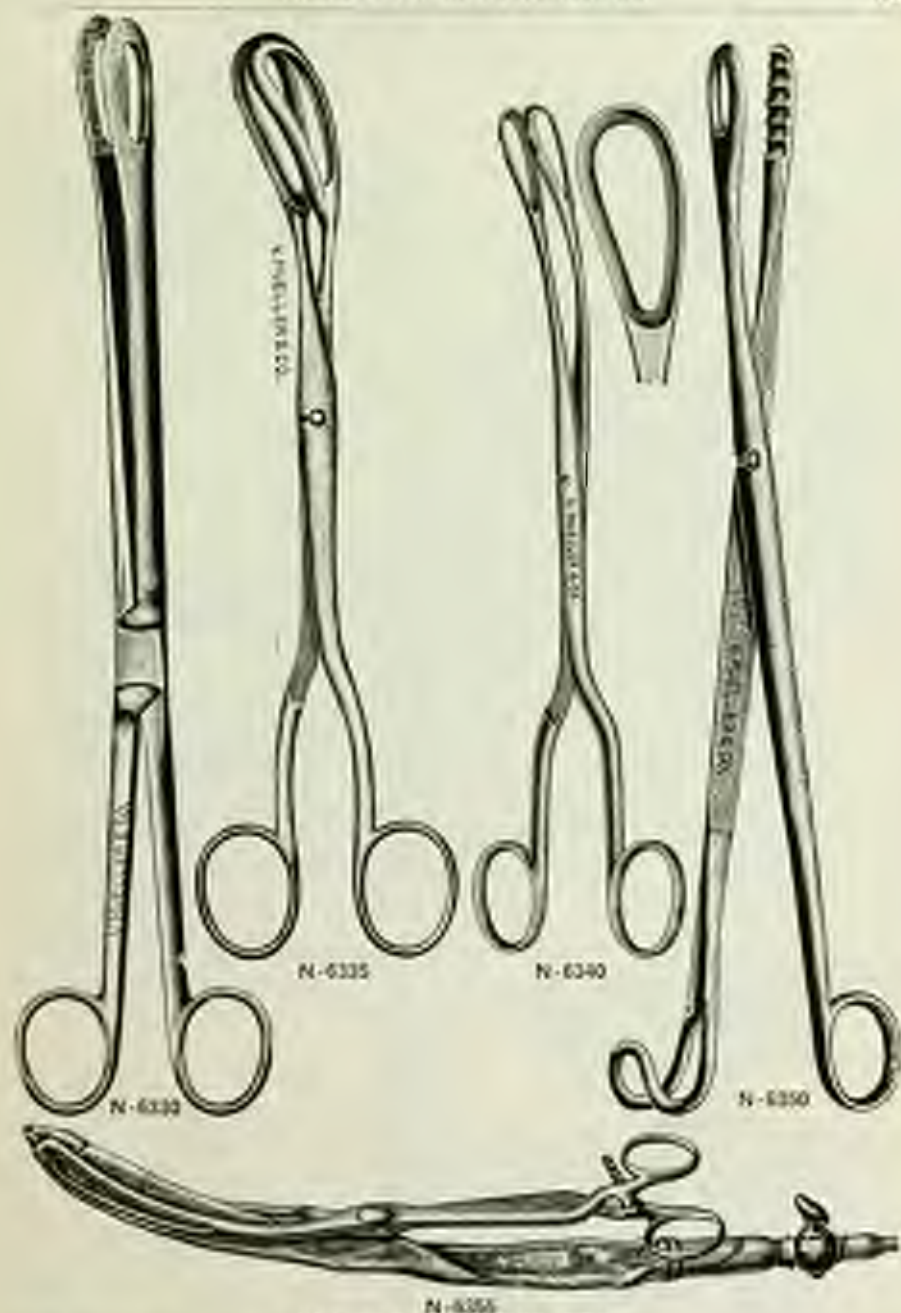
N-6280



PLACENTA CURETTES

N-6255	Placenta curette, spiral, two sizes, each.....	\$1.50
N-6290	Placenta curette, McFadden's, with serrated edge.....	1.75
N-6295	Placenta curette, McFadden's, with serrated edge.....	1.75
N-6300	Placenta curette, McFadden's, with serrated edge.....	2.00
N-6305	Placenta curette, Goldstein's, with serrated edge.....	1.50
N-6310	Placenta curette, Goldstein's, with serrated edge.....	1.50
N-6315	Placenta curette, Goldstein's, with serrated edge.....	1.50
N-6320	Placenta curette, Goldstein's, with serrated edge.....	1.50
	can be furnished in sizes 0, 1, 2 and 3, each.....	1.75
	can be furnished in sizes 0, 1, 2 and 3, each.....	1.75

Do not mutilate catalogue.—Specify section letter and number in ordering.

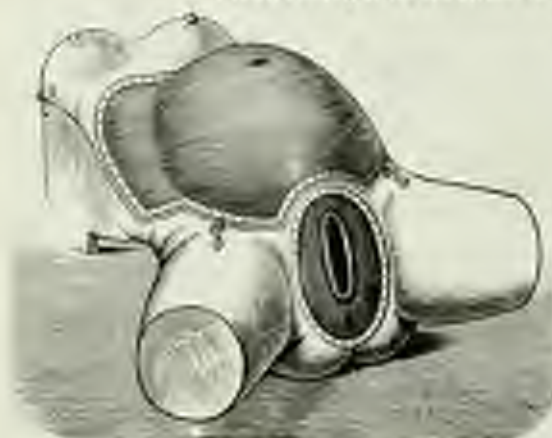


PLACENTA FORCEPS, ETC.

- N-6330 Placenta forceps, Good's, with wide or narrow jaw, 12 in.
 N-6335 Placenta forceps, Good's, with wide or narrow jaw, 12 in.
 N-6340 Placenta forceps, Good's, with wide or narrow jaw, 12 in.
 N-6350 Placenta forceps, Good's, with wide or narrow jaw, 12 in.
 N-6355 Placenta forceps, Good's, with wide or narrow jaw, 12 in.

Do not mutilate catalogue.—Specify section letter and number in ordering.

PHANTOMS, INCUBATORS AND SCALES



N-6360

N-6360 Phantom, electric. Boudin and Pissard. Among the various phantoms that have been invented, there is none that has given the satisfaction and received the universal recommendation of obstetricians in all parts of the world, like the Boudin and Pissard phantom. We import this phantom from the original maker in Europe and can therefore guarantee to furnish the correct apparatus. Price furnished upon application.

N-6360 V. Mueller & Co.'s Isbe incubator. This incubator is made after a French model and has been used for years abroad and in this country and has given perfect satisfaction. Complete instructions are sent with each incubator. Price net \$20.00
These incubators are also rented at the rate of \$15.00 for the first month and \$12.00 for each week thereafter. Transportation charges both ways must be paid by the renter. Special price for rental to institutions.



N-6360



N-6376



N-6375

N-6376 Baby scale, with basket for family use, capacity 15 lbs. \$7.50
N-6375 Baby scale, George's, pocket style 50

PHYSICIANS' LEATHER GOODS

OBSTETRIC BAG

Dimensions: 5 inches in depth and 5 inches in width, made in various lengths. Steel covered frames, nickel springs double loop lock with key, etc. It is made of the finest black ostrich bag leather, inside pocket on one side.

PRICES WITHOUT BOTTLES

Leather lined

10 inches long.....	\$2.10
12 inches long.....	2.20
14 inches long.....	2.30
16 inches long.....	2.40
18 inches long.....	2.50
20 inches long.....	2.60
22 inches long.....	2.70
24 inches long.....	2.80
26 inches long.....	2.90
28 inches long.....	3.00

Fitted with 6 one and one-half ounce G. K. bottles on removable tray, 75 cents extra.
Fitted with 4 one and one-half ounce U. S. and M. C. bottles on removable tray, \$1.25 extra.

N-6380 STYLE BAG

Made of a very fine quality of soft pliable black calf. Neatly finished brass trimmings. Just the bag for carrying a few instruments under the arm. Very light in weight. Leather lined.
Dimensions: 6½ inches high and 7 inches wide.

PRICES

12 inches long.....	\$1.15
14 inches long.....	1.30
16 inches long.....	1.45



N-6380

N-6386 EMERGENCY BAG

Dimensions: 14½ inches wide and 9 inches high to top of frame.

Made of the finest black long neck ostrich grain bag leather. Full leather lined. Steel frame, leather covered. Solid brass lock and end catches. Extra leather corner protectors and metal feet. Loops for instruments in side. Adjustable loops and pocket on inside of bag.

PRICES

14 inches long.....	\$9.50
16 inches long.....	10.00
18 inches long.....	10.50



N-6390

N-6390 OBSTETRIC BAG

The finest and best made bag of its kind. Square rubber style, 6½ inches wide, 1 inch in high, 15, 20 and 25 inches long. Opens on top. No waste space. Made of the finest black long neck ostrich grain bag leather. Heavy steel frame; with extra strong brass lock and catches. A hand stitched bag. Rubber style.

PRICES WITHOUT BOTTLES

15 inches long, leather lined.....	\$1.60
20 inches long, leather lined.....	2.10
25 inches long, leather lined.....	2.60
30 inches long, leather lined.....	3.10

Fitted with 6 one and one-half ounce G. K. bottles on removable tray, 50 cents extra.

Fitted with 4 one and one-half ounce U. S. and M. C. bottles on removable tray, \$1.25 extra.



N-6390

PHYSICIANS' LEATHER GOODS—Continued



N-6415

N-6415 Physician's bag, clinch style, gunmetal. Made from a smooth black cow-hide leather, with double frame sewed in by hand. Solid brass trimmings—on gunmetal bush set in popular three piece style, no burners, seams or felt is wear out. Lined with good leather, fitted with pocket on outside and adjustable loops for bottles.

16 lbs.	17 1/2 lbs.	18 lbs.	19 lbs.
16 lbs.	17 1/2 lbs.	18 lbs.	19 lbs.
16 lbs.	17 1/2 lbs.	18 lbs.	19 lbs.
16 lbs.	17 1/2 lbs.	18 lbs.	19 lbs.

N-6420 Physician's bag, clinch style, best quality cow-hide leather lined and heavy solid brass trimmings. Fitted with loops, etc. and hand attached double handles. Bottom compartment is 100% suitable for bottles. \$14.50
 Martine for 1.50
 16 lbs.



N-6420



N-6425

N-6425 Physician's bag, clinch style, best selected smooth cow-hide leather. English frame, hand attached double handles, leather corner ribs and brass trimmings. Fitted with adjustable loops inside. This is one of the best bags that has ever been put on the market.

16 lbs.	17 1/2 lbs.	18 lbs.	19 lbs.
16 lbs.	17 1/2 lbs.	18 lbs.	19 lbs.
16 lbs.	17 1/2 lbs.	18 lbs.	19 lbs.
16 lbs.	17 1/2 lbs.	18 lbs.	19 lbs.

PHYSICIANS' LEATHER GOODS.—Continued



N-8400

N-8405 BOSTON STYLE

Made of the best grained bag leather. Either leather or canvas lined. 20 inches high, 14 inches wide.

PRICES

- 22 inches long at bottom.
 leather lined, \$5.00;
 canvas lined, \$4.50;
 24 inches long at bottom.
 leather lined, \$5.00;
 canvas lined, \$4.50;
 25 inches long at bottom.
 leather lined, \$5.50;
 canvas lined, \$5.00;
 26 inches long at bottom.
 leather lined, \$5.50;
 canvas lined, \$5.00;
 Fitted with 8 one and one-half ounce U. S. bottles on removable tray, 75 cents.
 Fitted with 6 one and one-half ounce U. S. and M. C. bottles on removable tray, \$1.25 extra.

N-8409 OBSTETRIC BAG

Style of lawyers' brief bag. Made of black and-groin bag leather; handsome frame with brass trimmings. Width at bottom, 8 inches. Height from bottom of bag to top of frame, 5 inches. The inside is made in two pieces.

No seams on edges.

PRICES WITHOUT BOTTLES

- Leather lined
- | | |
|----------------|--------|
| 22 inches long | \$4.00 |
| 24 inches long | 4.50 |
| 25 inches long | 5.00 |
| 26 inches long | 5.50 |
| 27 inches long | 6.00 |
| 28 inches long | 6.50 |
- Fitted with six 1½ oz. U. S. bottles, \$6.75 extra.
 Fitted with six 1½ oz. U. S. and M. C. bottles, \$1.25 extra.



N-8405

N-8409 OBSTETRIC BAG

Class style. High and narrow. Easy to carry. Made of the finest black long-grain bag leather. Leather covered steel frame, and brass metal trimmings. Finest leather lining.

Black goods make throughout. No seams on edges.

Width at bottom 10 inches. Height 10 inches to top of frame.

PRICES WITHOUT BOTTLES

- | | |
|----------------|--------|
| 14 inches long | \$4.50 |
| 15 inches long | 5.00 |
| 16 inches long | 5.50 |
| 17 inches long | 6.00 |
- Fitted with six 1½ oz. U. S. bottles, \$9.75 extra.
 Fitted with six 1½ oz. U. S. and M. C. bottles, \$1.25 extra.



N-8410

PHYSICIAN'S LEATHER GOODS—Continued



N-6430

N-6430 EMERGENCY BAG

The general arrangement of this bag are like our No. N-6420. The make, however, differs very materially. It is the best bag that can be made by simply heavy steel frame with solid brass trimmings. No covering, all hand stitched around the frame. It is a bag to last a lifetime. Loops, straps and pocket same as No. N-6420 bag. It is made of the very best black and smooth cow leather and is full leather lined. Dimensions: 15 inches wide and 9 1/2 inches high over all.
 Made in lengths of 15, 16 and 17 inches. Prices..... \$1.00
 Extra, each, extra..... 2 to 18 inches long. Add..... 25

N-6430 EMERGENCY BAG

It is made of the very finest, black angrained bag cloth, full leather lined, riveted steel frame, metal trimmings, 1/2 inches wide and 1/2 inches high over all.

It contains in the lower part of bag 11 adjustable strap loops, also a large pocket entire side of bag. In the lid are 10 smaller loops for instruments, etc. It also has two straps running around the bag for the purpose of attaching pens to the bottom of bag when required.

For up-to-date catalogue work it cannot be beaten for utility, quality or price.

Made 15, 16 and 17 inches long.
 Price..... \$1.00
 Extra, each, extra..... 1.50
 18 inches long. Add to above..... 75



N-6435

N-6435 EMERGENCY BAG

Made of the finest black bag water proof bag leather. Heavy steel frame, leather covered and handstitched to body of bag. English style. The very latest style gun metal lock and strap catches. Loops for instruments in lid. Adjustable loops and pocket inside of lid. Extra leather corner protectors and metal feet.

PRICES

15 inches long, 7 1/2 inches wide, 9 1/2 inches high..... \$1.25
 16 inches long, 8 inches wide, 10 inches high..... 1.75
 17 inches long, 8 1/2 inches wide, 10 1/2 inches high..... 1.25
 18 inches long, 9 1/2 inches wide, 11 inches high..... 1.99



N-6440

Do not mutilate catalogue.—Specify section letter and number in ordering.

PHYSICIANS' LEATHER GOODS—Continued



N-6445

N-6445 The removable edge bag with tilting bag is divided at the bottom, forming a separate compartment for carrying a pan or sterilizer. This compartment is hinged to one side and has five solid brass locks on the other side. The depth of compartment is 14 inches. Length of bag 27 inches. Price..... \$25.00
Copper sterilizer in 18 bottles..... 2.00



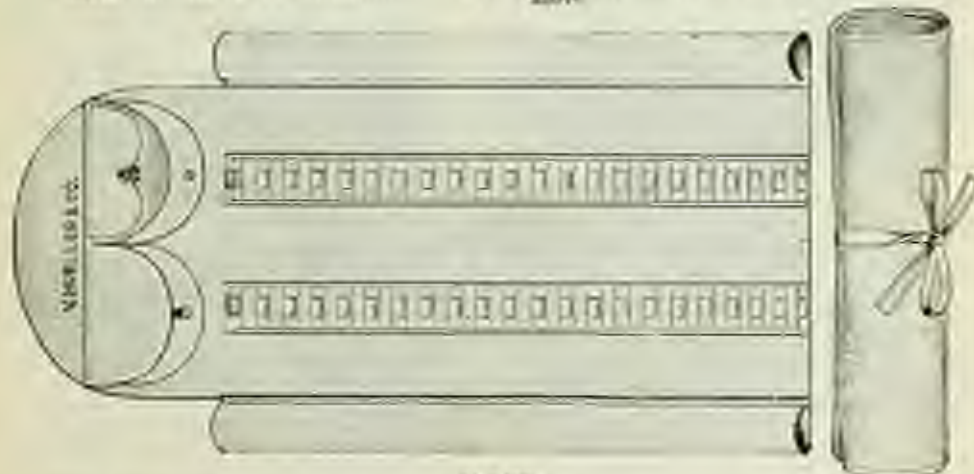
N-6450

N-6450 Removable pad for electric bags contains six 1 1/2 oz. of N. and M. U. safety bottles. Price..... \$4.00



N-6455

N-6455 Removable pad for electric bags contains six 1 1/2 oz. of N. and M. U. safety bottles. Price..... \$4.00
All of our electric bags are so arranged that they can be filled with either of the above.



N-6460

5000 Canvas roll, No. 1, 1 1/2 in. dia., single row of 27 loops.....	\$1.00
Canvas roll, No. 2, 1 1/2 in. dia., double row of 27 loops.....	1.25
Canvas roll, No. 3, 1 1/2 in. dia., single row of 27 loops.....	1.25
Canvas roll, No. 4, 1 1/2 in. dia., double row of 27 loops.....	1.25
Canvas roll, No. 5, 1 1/2 in. dia., single row of 17 loops.....	1.00
Canvas roll, No. 6, 1 1/2 in. dia., double row of 17 loops.....	1.25
Canvas roll, No. 7, 1 1/2 in. dia., single row of 17 loops.....	1.00
Canvas roll, No. 8, 1 1/2 in. dia., with 20 adjustable loops.....	1.00

These rolls are made of a good grade white canvas with pocket and adjustable loops, with immediately any size instrument. They are clean and wash preferred to the old style canvas lined rolls. Sizes 1, 2 and 3 are suitable for strapping, artificial and general operating instruments. The larger sizes for electric instruments, etc.

We are prepared to make any size instrument roll to order.

Do not mutilate catalogue.—Specify section letter and number in ordering.



N-6465



N-6470



N-6475



N-6480

PHYSICIANS' LEATHER GOODS—Continued

N-6465 Medicine case, Price.....\$7.25

Dimensions: 12 inches long, 3 inches high and 2½ inches wide.

Made of extra heavy harness leather only, and is full leather lined.

Contains 1 one and one-half ounce G. S. and M. C. bottles, 20 five-dram vials and covered supply space 14x2½ inches.

N-6475 Combination bag, Price.....\$12.00

Dimensions: 17 inches long, 5 inches wide and 2½ inches high.

Made of the finest black board leather. Full leather lined. Steel frame with gun metal flash fittings.

It contains 1 one and one-half ounce G. S. and M. C. bottles, 12 five-dram and 20 three-dram vials. The bottles occupy one side of bag and the other side is entirely empty for supplies, large enough to carry any forceps, loops for instruments.

N-6470 Medicine case, Price.....\$7.25

Dimensions: 10 inches long, 4½ inches wide and 3 inches high. It is made of heavy harness leather only, and is well lined. Hand stitied.

It contains 20 one-ounce and 20 three-dram vials, 2 one-ounce G. S. and M. C. bottles, and supply space 14x2½ inches.

N-6480 Obitractor and emergency bag.

Made of finest black seal-grain bag leather and lined entirely with smooth leather.

It is 24 inches wide and 4 inches high, including frame, and is made 15, 18 and 27 inches long. It contains 1 one and one-half ounce G. S. and M. C. safety bottles, also 8 six-dram C. S. vials. A covered supply space of one-half the entire bag. Loop for instruments both side of 15, and space along side of the G. S. and M. C. bottles for forceps, etc.

25 inches long, Price.....\$15.00

18 inches long, Price.....7.50

17 inches long, Price.....8.25

Do not mutilate catalogue.—Specify section letter and number in ordering.



N-6425



N-6500



N-6505



N-6510

PHYSICIANS' LEATHER GOODS—Continued

N-600 Medicine case, Price.....\$11.50

Dimensions: 12 inches long, 6 inches high and 6 inches wide.

It is made of heavy harness leather and full leather lined.

Contains 6 one-ounce G. S. and M. C. bottles, 22 one-ounce and 15 three-dram vials, also a reserved supply space diagonally, lined.

N-6100 Medicine case, Price.....\$12.00

Dimensions: 11 inches long, 8 inches wide and 6 inches high.

Made entirely of heavy harness leather, hand stitched around the edges and full leather lined.

It contains 16 one-ounce, 14 three-dram and 1 three-ounce G. S. bottles, also 4 two-ounce G. S. and M. C. bottles and supply space diagonally, lined.

N-6400A Medicine case, Price.....\$14.00

Exactly like above except it is cloth lined.

N-6600 Medicine case, not illustrated.

Price.....\$9.00

Dimensions: 11½ inches long, 5 inches wide and 6 inches high. It is made of heavy har-

nass leather only, and is well lined. Hand stitched.

It contains 4 two-ounce G. S. and M. C. and 2 three-ounce G. S. bottles, 22 one-ounce and 14 three-dram vials, and supply space diagonally, lined.

N-6500 Medicine case, Price.....\$17.50

Dimensions: 11 inches long, 4½ inches wide and 6½ inches high. It is made of heavy harness leather only, and is well lined. Hand

stitched.

It contains 7 one and one-half ounce G. S. and M. C. bottles, 22 six-ounce vials and 24 two-dram vials, also supply space diagonally, lined.

N-6510 Medicine case, Price.....\$11.50

Dimensions: 12 inches long, 6 inches wide and 6 inches high.

It is made of heavy harness leather only, and is full leather lined. Hand stitched.

It contains 4 two-ounce G. S. and M. C. bottles, 2 three-ounce G. S. bottles, 22 one-ounce and 24 three-dram vials, also large supply space diagonally, lined.

N-6500A Medicine case, Price.....\$16.00

Exactly like above except cloth lined.

Do not mutilate catalogue.—Specify section letter and number in ordering.



N-5515



N-5520



N-5535



N-5530

PHYSICIANS' LEATHER GOODS—Continued

N-5515 Medicine case. Price..... \$5.00
Made entirely of heavy harness leather, hand stitched around the edges and full leather lined.

Dimensions: 12 inches long, 3 inches high, 4½ inches wide. It contains 12 five-dram, 20 three-dram, 1 one and one-half ounce G. S. and M. C. bottles, also supply box 24x36x7½ inches.

N-5515A Medicine case. Price..... \$7.50
Exactly like above except it is cloth lined.

N-5520 Medicine case, not illustrated.

Price..... \$5.00
Dimensions: 11 inches long, 4½ inches wide and 4 inches high. It is made of heavy harness leather only, and is well lined. Hand stitched. It contains 1 two-ounce G. S. and M. C., 2 three-ounce G. S. bottles, 21 one-ounce and 24 three-dram vials, and spare label book.

N-5520 Medicine case. Price..... \$5.00
Dimensions: 11 inches long, 4½ inches high and 4½ inches wide.

Covered with black seal-grain bag leather. Hand stitched around the edges. B. B. cloth lined.

Contains 21 one-ounce, 24 three-dram, 2 four-ounce, 1 G. S. and 2 ounce G. S. and M. C.

bottles, also supply box 24x36x7½ inches.

N-5520 Medicine case. Price..... \$5.00
Dimensions: 10½ inches long, 3½ inches wide and 4 inches high. It is made of heavy harness leather only, and is well lined. Hand stitched. It contains 4 two-ounce G. S. and M. C. bottles, 21 one-ounce and 24 three-dram vials, also supply box 24x36x7½ inches.

N-5520 Medicine case. Price..... \$5.00
Dimensions: 11 inches long, 3 inches wide and 3½ inches high.

It is made of heavy harness leather only, and is well lined. Hand stitched.

It contains 4 one and one-half ounce G. S. and M. C. bottles, 11 one-ounce and 24 three-dram vials, also supply box 24x36x7½ inches.

N-5520 Medicine case, not illustrated.

Price..... \$5.00
Dimensions: 11 inches long, 4 inches high and 3½ inches wide.

Made of extra heavy harness leather only.

Contains 1 one and one-half ounce G. S. and M. C. bottle, 11 one-ounce and 24 three-dram vials, also supply box 24x36x7½ inches, a very beautiful and compact case for the busy practitioner.

Do not mutilate catalogue.—Specify section letter and number in ordering.



N-6545



N-6550



N-6555



N-6560

PHYSICIANS' LEATHER GOODS—Continued

N-654 Medicine case. Price..... \$1.90
Dimensions: 17 inches long, 5 inches wide,
and 4½ inches high.

It is covered with the finest heavy black
seal-grain bag leather. Hand stitched around
the edges. B. B. cloth lined.

It contains 24 one-ounce, 24 three-ounce,
and 2 four-ounce C. & M. bottles, also 4 two-
ounce G. & M. C. bottles. It has a space
for medicine bottles.

N-655 Medicine case. Price..... \$1.00
Dimensions: 17 inches long, 5½ inches wide
and 4½ inches high.

It is covered with the finest heavy black
seal-grain bag leather. Hand stitched around
the edges. B. B. cloth lined.

It contains 24 one-ounce and 24 three-ounce
C. & M. vials. The side flaps holding the four-
ounce vials are removable, allowing space for
remedy papers.

N-656 Medicine case, not illustrated.
Price..... \$1.25
Dimensions: 16½ inches long, 5½ inches wide,
and 4½ inches high.

Made of fine black harness leather and
substantially lined. Hacks on top and skirt
each. It contains 4 one-ounce, 16 six-ounce
and 12 four-ounce vials, also a pocket for
papers, etc.

N-657 Medicine case. Price..... \$5.00
Dimensions: 11 inches long, 4 inches wide
and 4½ inches high.

It is covered with the finest heavy black
seal-grain bag leather. Hand stitched around
the edges. B. B. cloth lined.

It contains 24 one-ounce and 24 three-ounce
C. & M. vials, also 4 two-ounce G. & M. C.
bottles, and covered supply space 16½x12½
inches.

N-658 Medicine case. Price..... \$1.00
Dimensions: 12½ inches long, 5½ inches wide,
and 4½ inches high.

It is covered with the finest heavy black
seal-grain bag leather. Hand stitched around
the edges. B. B. cloth lined.

It contains 24 one-ounce, 24 three-ounce, C.
& M. vials, 4 two-ounce wide-mouth screw cap
jars, and 4 two-ounce G. & M. C. bottles.

It has a supply space 16½x12½ inches.
N-659 Medicine case, not illustrated.

Price..... \$1.00
Dimensions: 8 inches long, 5 inches high,
19 inches wide. Case is covered with solid
leather, hand stitched. Contains 2 one- and
one-half ounce glass-stopper bottles, 2 six-
ounce, 2 four-ounce vials. It has one nickel
clasp. Bottles arranged in three rows, with
holder for powder, etc. Rings for straps,
and well lined.

Price \$2.00 extra.
If G. & M. C. bottles are wanted in
place of the 5 G. & M. add 50¢ to list, and so
state.

Do not mutilate catalogue.—Specify section letter and number in ordering.



N-5575



N-5580



N-5590



N-5595

POCKET VIAL CASES

SINGLE FOLD-POCKET VIAL CASES

Made of genuine Turkish Morocco.

- N-5575 A 503 contains 12 two-dram vials \$2.40
 N-5575 A 507 contains 24 three-dram vials 2.80
 N-5575 A 512 contains 12 two-dram vials 2.35
 N-5575 A 517 contains 6 one-ounce vials 1.55
 N-5575 A 519 contains 12 two-dram vials 2.35
 N-5575 A 524 contains 12 three-dram vials 2.40
 If fitted with R. C. bottles add 15c to list.

N-5580 Pocket case, double fold.

Dimensions when closed: 8 inches long, 7 1/2 inches wide, and 1 1/2 inches thick. It is made of genuine Turkish Morocco, full leather lined and closes with a glove button fastener. Morocco loops for vials and other fittings.

It contains 4 four-dram, 12 two-dram, 24 one-dram, also twelve more for hypodermic, each like capable of holding twenty-five tablets. One anamorphic, solid piston hypodermic, with two needles in metal case, also a self-registering clinical thermometer with indestructible index, and pocket for powder papers, etc.

Price, complete \$2.40
 Without hypodermic and thermometer 2.00

DOUBLE FOLD-POCKET VIAL CASES

Made of genuine Turkish Morocco.

- N-5580 A 510 contains 24 two-dram vials \$2.85
 N-5580 A 512 contains 24 three-dram vials 2.90
 N-5580 A 514 contains 24 four-dram vials 2.95
 N-5580 A 516 contains 12 two and 3 three-dram vials 2.35
 N-5580 A 518 contains 12 two-dram vials 2.30
 N-5580 A 521 contains 36 three-dram vials 3.75
 If fitted with R. C. bottles add 25c to list.

We make all of our pocket vial cases of genuine Turkish Morocco. Full leather lined and fitted with glove button fastener. They are made with leather loops for holding bottles, making them more flexible than when fitted with metal springs. All have a pocket for powder papers.

N-5590 Pocket case.

Dimensions when closed: 8 inches long, 7 1/2 inches wide and 1 1/2 inch thick. It is of the same general style as our No. N-5585. Made of genuine Turkish Morocco, full leather lined and closes with a glove button fastener. Morocco loops for vials and other fittings. In fact a very handsome and durable case.

It contains 12 two-dram, 24 one-dram, also registering, clinical thermometer with indestructible index, a pocket for powder papers, etc., also an anamorphic, solid piston hypodermic with 2 needles and 4 tubes for tablets in metal case.

Price complete \$2.90
 Without hypodermic and thermometer 2.50

Do not mutilate catalogues.—Specify section letter and number in ordering.

Section "O"

Phimosis

Ureteral

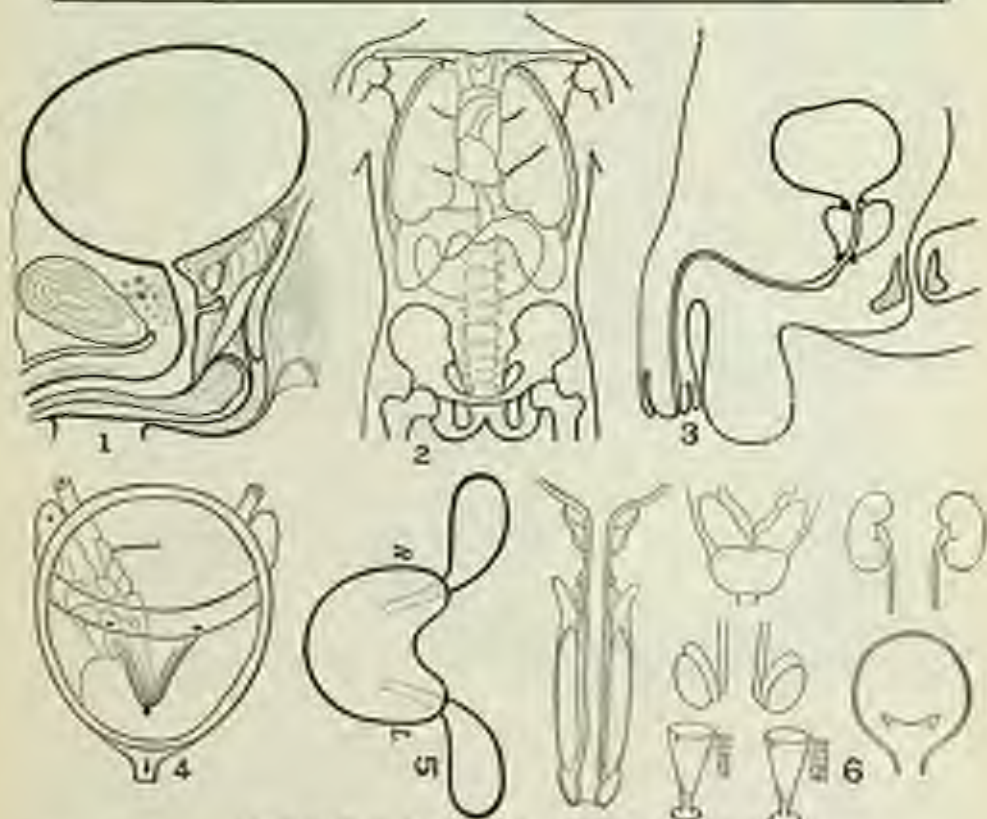
Urethral

Bladder

Prostatic

and Rectal

Examining and Operating Instruments

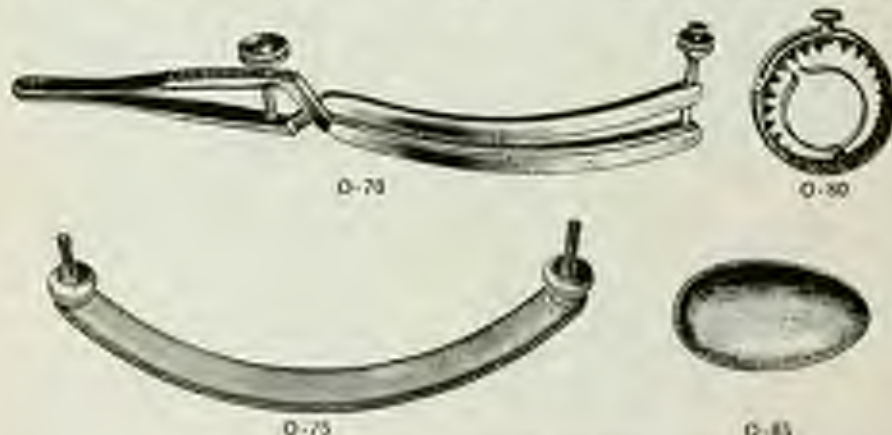
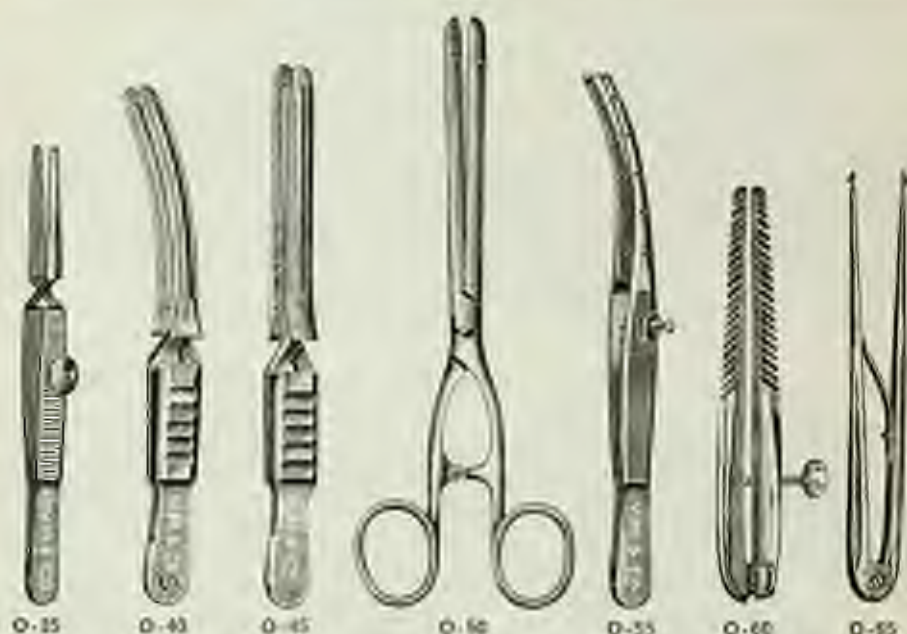


ANATOMICAL DIAGRAMS, RUBBER STAMPS

001	Fig. 1	.....	1
002	Fig. 2	.....	2
003	Fig. 3	.....	3
004	Fig. 4	.....	4
005	Fig. 5	.....	5
006	Fig. 6	.....	6

These illustrations are approximately one half the actual size of diagrams.

Do not mutilate catalogue.—Specify section letter and number in ordering.



PHIMOSIS FORCEPS, SCROTAL CLAMPS, ETC.

O-25	Parke's prepore dilator	\$1.75
O-43	Willers's curved phimoser forceps	1.25
O-45	Willers's straight phimoser forceps	1.25
O-50	Willers's phimoser forceps	1.25
O-53	Willers's phimoser forceps	1.25
O-55	Willers's phimoser forceps	1.25
O-60	Willers's prepore dilator	1.25
O-65	Willers's prepore dilator	1.25
O-70	Henry's scrotal clamp	4.00
O-75	Willers's scrotal clamp	4.00
O-80	Willers's scrotal clamp	4.00
O-85	Artificial testis	1.50

Do not mutilate catalogue.—Specify section letter and number in ordering.



URETHRAL SPECULUMS, CLAMPS, ETC.

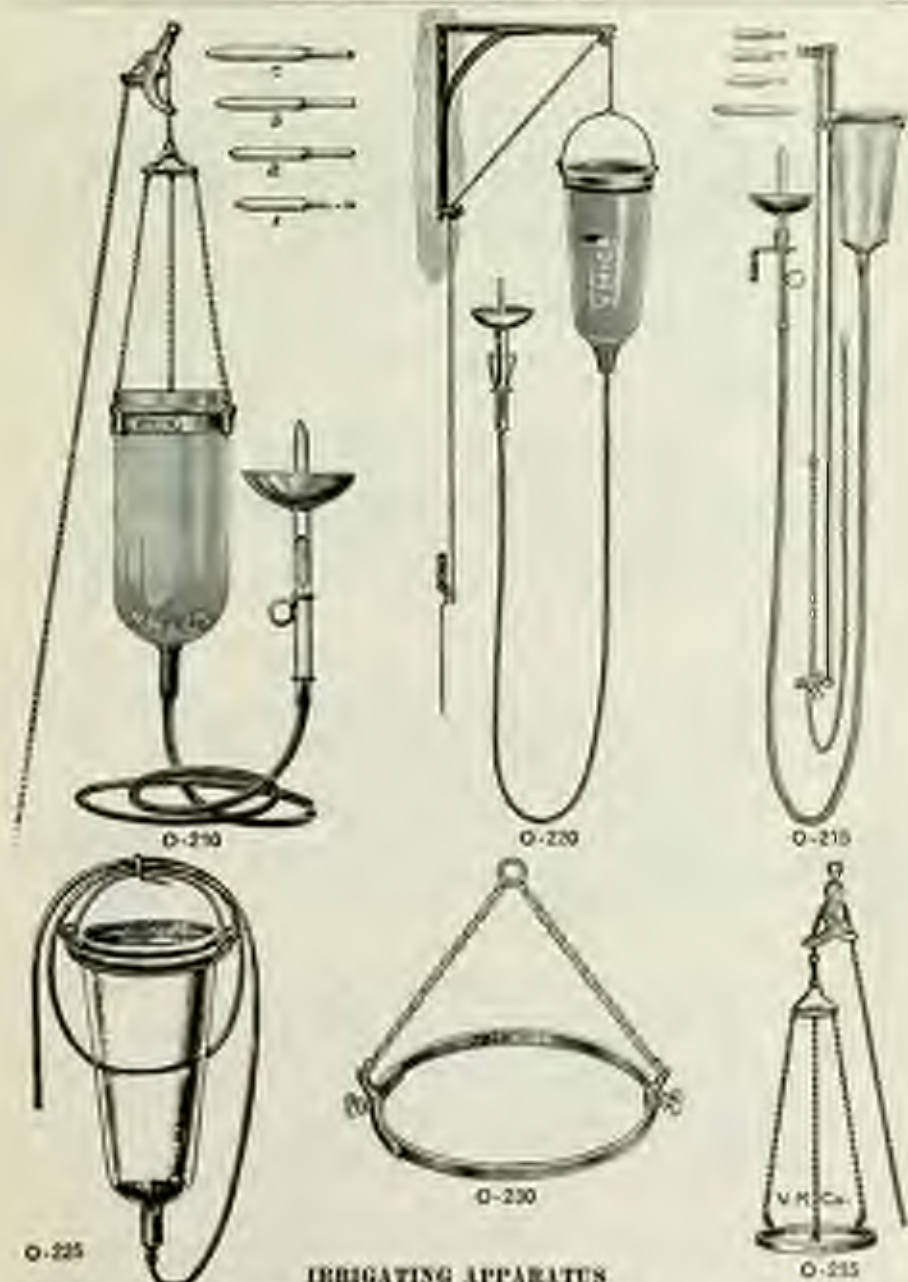
Q-90	Caro's urethral speculum, long, male.....	11 30
Q-95	Caro's urethral speculum, short, female.....	11 30
Q-100	Brown's urethral speculum.....	11 30
Q-110	Frail's urethral speculum.....	11 30
Q-115	Kempner's urethral speculum.....	11 30
Q-120	Brown's urethral speculum.....	11 30
Q-125	Infant's urethrometer, graduated.....	11 30
Q-130	Kelly's meatus dilator.....	11 30
Q-135	Keane-Goodman's anti-retaining catheter, plated, 80 00; silver.....	11 30
Q-140	Kelly's evacuating syringe.....	11 30
Q-145	Veres meatus clamp.....	11 30
Q-150	Strasberg meatus clamp.....	11 30
Q-155	Chromolite shield.....	11 30
Q-155A	Kelly's endoscopes, 15 stems, 5 to 30 mm. in diameter, each.....	1 50



URETHRAL NOZZLES, ETC.

O-100	Cheesehead's glass nozzle	85 25
O-165	Lydenon's irrigating nozzle with shield	1 25
O-170	Martin's irrigating nozzle, metal	1 00
O-175	Wheeler's irrigating nozzle and shield, is so made that it can be put on the end of the regular syringe nozzle, made of soft rubber	25
O-180	Yacowatz's cut-off with shield	1 00
O-185	Brewer's cut-off and shield, made entirely of hard rubber, 2 nozzles of different sizes are supplied with the apparatus	2 50
O-190	Kiefer's nozzle, hard rubber, or metal	1 00
O-195	Benger's irrigating nozzle	1 00
O-200	Hard rubber cut-off, made in 2 sizes, from 1/8 to 1/4	1 00
O-200A	Double flow rubber stopcock, metal	1 00
O-200B	L. K. J. M. Valentine's plain syringe nozzles, each	1 00
O-205	Hall's bladder washer, three-way	1 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



IRRIGATING APPARATUS

O-210	Valentine irrigating outfit, with automatic stop policy	65 00
O-220	Valentine irrigating outfit, with sliding bracket	4 00
O-215	V. Mueller & Co.'s irrigating outfit	2 75
O-225	V. Mueller & Co.'s irrigating outfit, with half brass nickel plated, 2000 miling. brass nickel plated cover, cut off and glass handle	2 00
O-230	Roll with chain and ring, adjustable to fit any peristaltic	4 00
O-215	Pyrexolance frame, adjustable, with automatic policy and chain	4 50



O-248



O-250



O-255



O-260

O-268

O-270

INJECTION SYRINGES, ETC.

- O-248 Valentine's latest improved water syringe. Largest extra heavy glass, syringe can be taken apart for cleaning without trouble. 60 cc., 100 cc., 120 cc. and 250 cc. \$5.00, \$6.00, \$6.50, \$7.00.
- O-250 Second bladder syringe. (Not illustrated) barrel of glass with ground in metal plunger, metal mounts are attached to the glass with an alloy solder. These syringes have no washers or packings therefore thoroughly aseptic 50 cc. and 100 cc. \$9.00 and \$10.00.
- O-255 Vienna bladder injection syringe glass barrel with hard rubber mountings and 2 tips, 2 cc. and 4 cc. \$12.50 and \$14.00.
- O-260 Alexander's perfection syringe, made entirely of metal. There are no threads on this syringe, the mountings and tips are attached by means of a bayonet friction joint, capacity 120 gr. \$9.75.
- O-260 Poppe's perfection syringe, barrel is made of glass and the plunger of metal which is ground into the glass with great precision. The metal mounts are fastened to the glass with an alloy solder and the ends and tips are attached by means of a bayonet friction joint in the same manner as on syringe O-255. Made in two sizes, 60 cc. and 100 cc. \$13.50 and \$15.00.
- This syringe is especially adapted for scientific laboratory work, as well as for the treatment of injections of Kalamazoo.
- O-268 Hard rubber olive for use on injection syringes. \$2.00.
- O-270 Soft rubber olive for use on injection syringes. \$2.00.

Do not mutilate catalogue.—Specify section letter and number in ordering.



O-275



O-294



O-295



O-296



O-295



O-305

DEEP URETHRAL SYRINGES

- O-275 Guyan's deep urethral syringe with catheter in case.....
 O-290 "Bumstead" deep urethral syringe, capacity 5 cc., complete with catheter in metal case.....
 O-294 Corbue's deep urethral syringe, glass with hard rubber mounting, including catheter.....
 O-295 Keyes-Ulitzman's deep urethral syringe with silver tube, in case.....
 O-296 Keyes-Ulitzman's deep urethral syringe, with nickel plated tube, in case.....
 O-297 Keyes-Ulitzman's syringe, nickel plated tube, no case.....
 O-305 Bumstead's deep urethral syringe, silver tube with perforated ends.....

Do not mutilate catalogue.—Specify section letter and number in ordering.



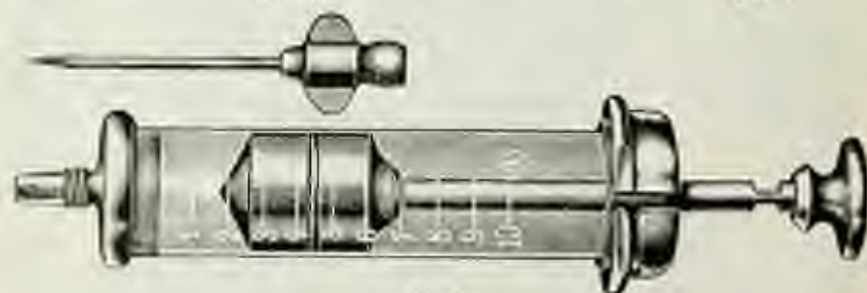
O-313



O-325



O-315

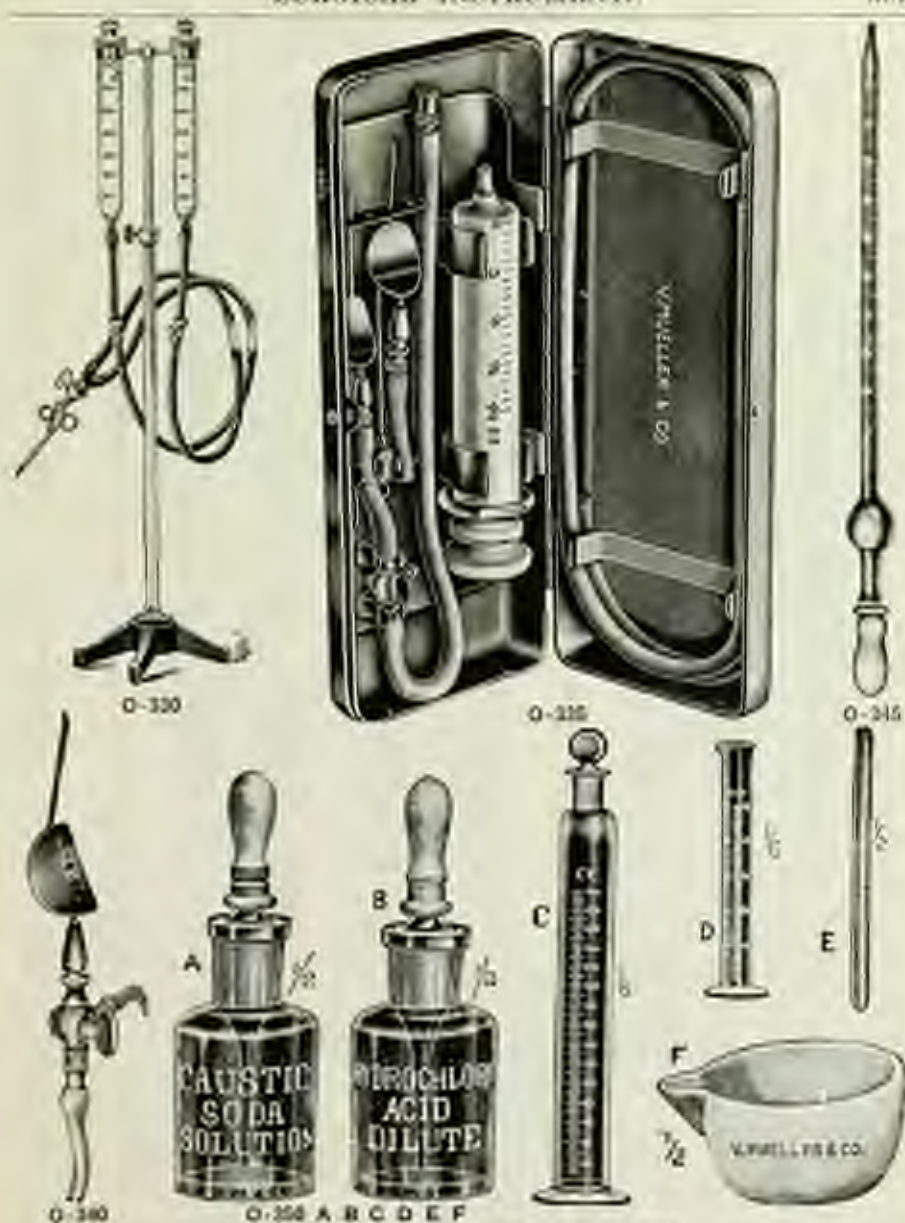


O-320

SALVARSAN INJECTION APPARATUS

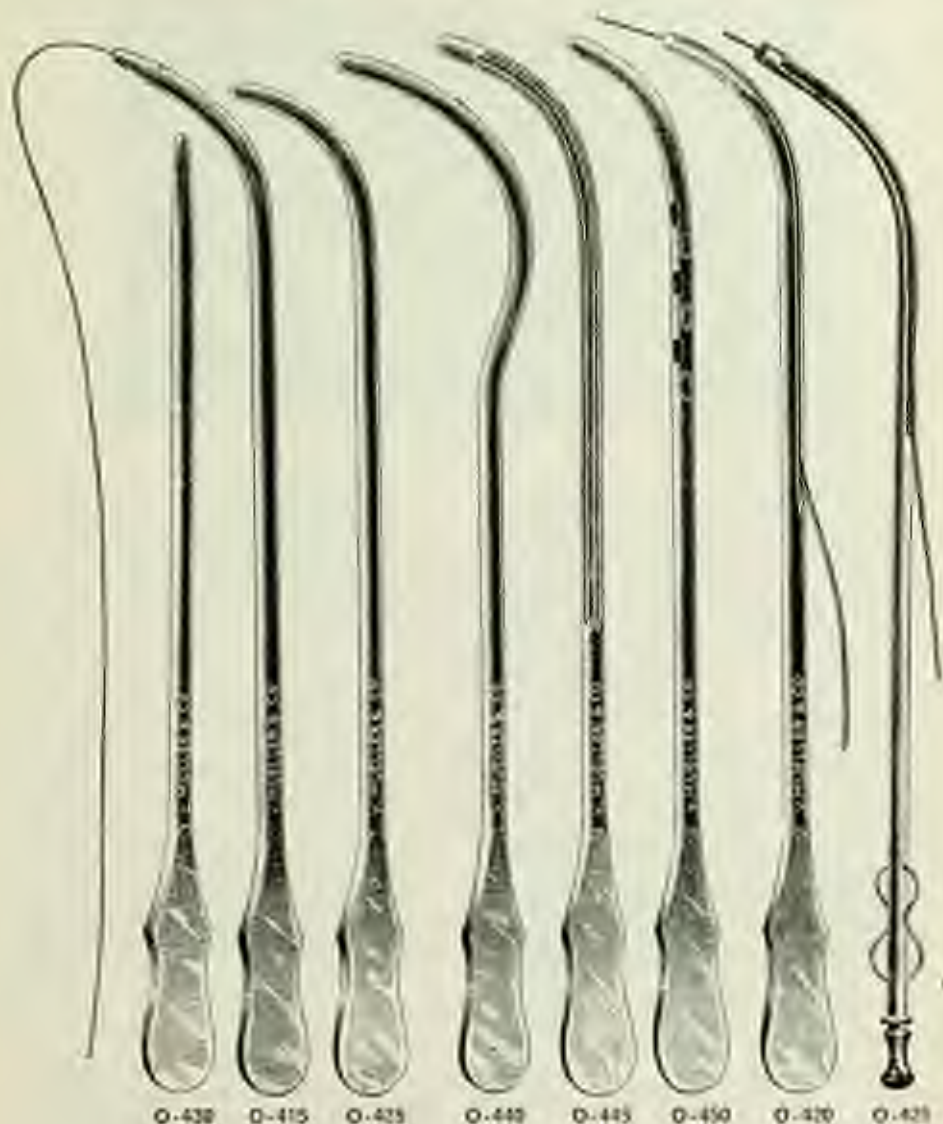
- O 28 Throat Salvarsan syringe and accessories, consisting of 20 cc. all glass syringe, 2 needles, 2 drop bottles containing caustic soda solution and hydrochloric acid, one rubber with point, graduated mixing tube, graduated pipette, red and blue litmus paper, complete in case.....\$12 50
- O 29 Daland's apparatus for the intravenous injection of Salvarsan. Quirt with one container, 12 50; syringe with two containers, and 2 mixing bottles.....12 50
- O 30 Ehrlich-Haas Salvarsan syringe, 2 "bore" 1/2", capacity 20 cc., with heavy platinum infusion needle, complete in metal case \$12 50; with heavy steel needle.....8 25
- The Daland syringe is made entirely of glass and metal and can be rendered thoroughly aseptic by sterilization in boiling water.
- O 31 The Carline apparatus for the intravenous injection of Salvarsan. The container is graduated to 20 cc. Complete as shown with two steel needles.....\$2 50

Do not mutilate catalogue.—Specify section letter and number in ordering.



SALVARSAN INJECTION APPARATUS

- O-329 Biedert's apparatus for the intravenous injection of Salvarsan, consisting of heavy stand with extension rod, 2 containers, tubing, catheter, stopcock and 2 needles. \$11.50
 O-325 Last syringe for injection of Salvarsan, for use either with the intramuscular or intravenous method, capacity 20 cc. Complete as illustrated with 2 steel needles \$12.50; with platinum tipped needles..... \$22.50
 O-340 Stopcock and needle for injection of Salvarsan..... \$1.75
 O-315 Needle only..... 50
 O-325 Graduated pipette..... 50
 O-350 A and B pipette bottles, each 50 cc.; C graduated mixing bottle with glass stopper 200 cc., \$1.50; D graduate, 50 cc., \$0.25; E and F mortar and pestle..... 25



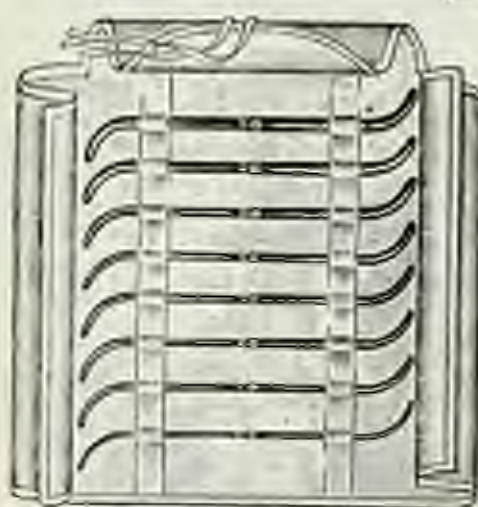
URETHRAL SOUNDS AND GUIDES

O-435	Lambert's exploring sound with Filiform guide.....	7 00
O-436	Gosley's inserted sound for Filiform bougie.....	1 00
O-437	Gosley's catheter and Filiform guide.....	1 00
O-438	Van Heur's sound, straight, Fr. scale 3 to 40 each.....	50 00
O-439	Van Heur's sound, curved, Fr. scale 3 to 40 each.....	50 00
O-440	Bougie's sound, Fr. scale 18 to 30 each.....	1 00
O-441	Grooved sound for the application of ointment etc.....	1 00
O-442	Van Heur's capped sound, for the application of ointment.....	1 00
O-443	Extra Filiform bougies with connections to screw as Fig. O-444, each.....	1 00

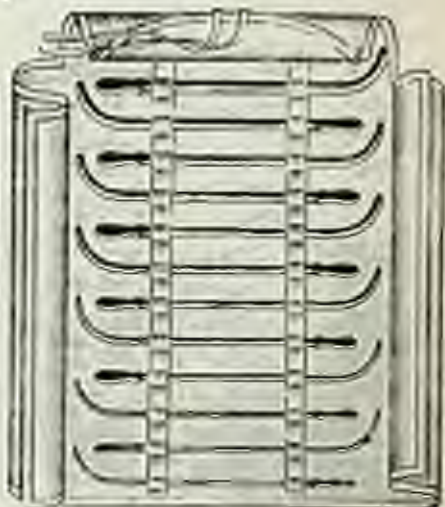
Do not mutilate catalogue.—Specify section letter and number in ordering.



O-455



O-460



O-470

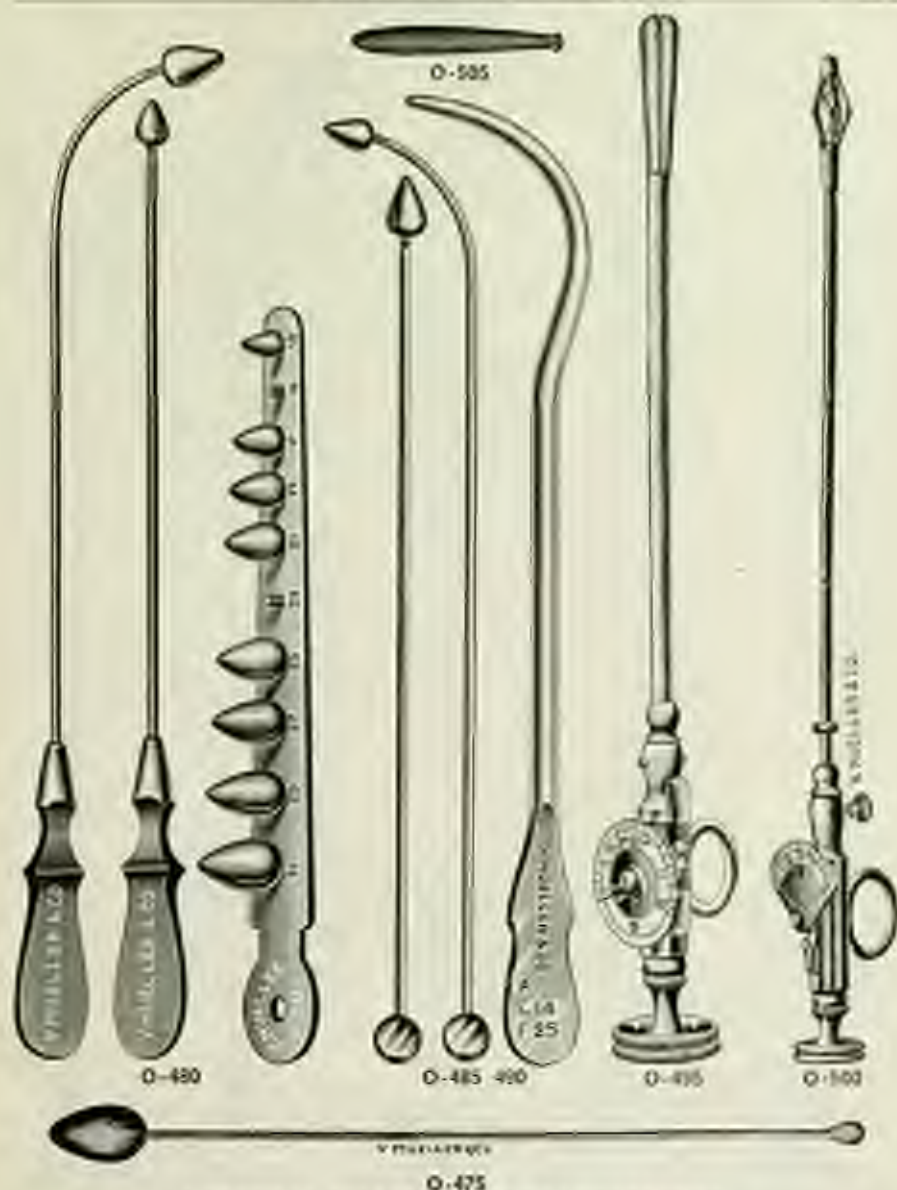


O-455

URETHRAL SOUNDS

O-455	Pratt's double curved, made in 15 sizes, each	25 00
O-460	Set of 8 Pratt's urethral sounds, 14 sizes, in leather roll	4 50
O-470	Set of 8 Van Heeren's sounds, in leather covered case or oak box, 10 50; set of 12	3 50
O-470	Set of Van Heeren's sounds, in case	3 50
O-470	Set of Van Heeren's sounds, in carrying roll	6 00

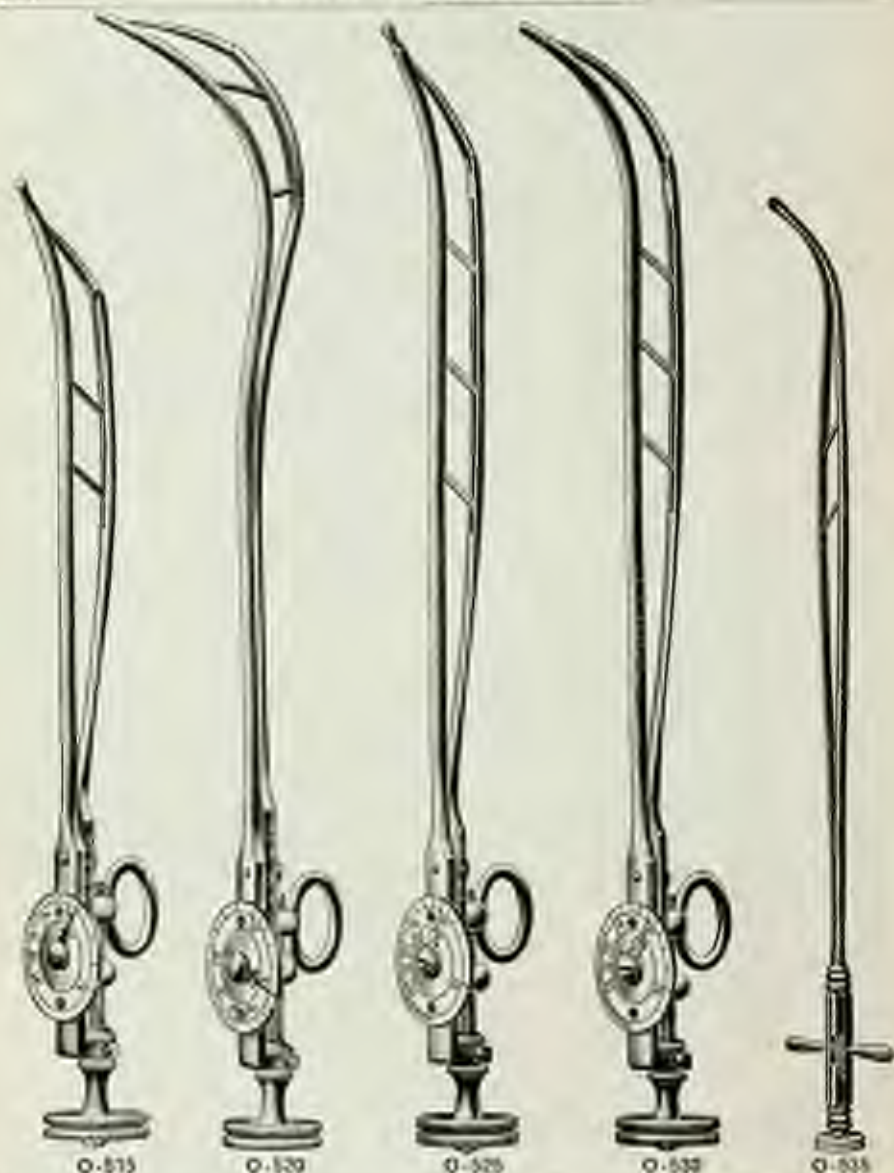
Do not mutilate catalogue.—Specify section letter and number in ordering.



URETHRAL BOUGIES AND URETHROMETERS

O-475	Exploring bougie, Otis, regular sizes 8 to 40, each	\$1.00
O-480	Nagie's bougies & bougie, set of 18 olive points, with two strong stems and cotton-tail threads, complete	2.50
O-485-490	Cortus set of 18 bougies & bougie and 18 sounds. Bougie curve, slightly tapered, complete set in roll.	15.00
	Temple single, \$1.00; Sound single	1.00
O-495	Kollman's Urethrometer	15.00
O-500	Otis Urethrometer	15.00
O-505	Rubber covers for urethrometers	75

Do not mutilate catalogue.—Specify section letter and number in ordering.

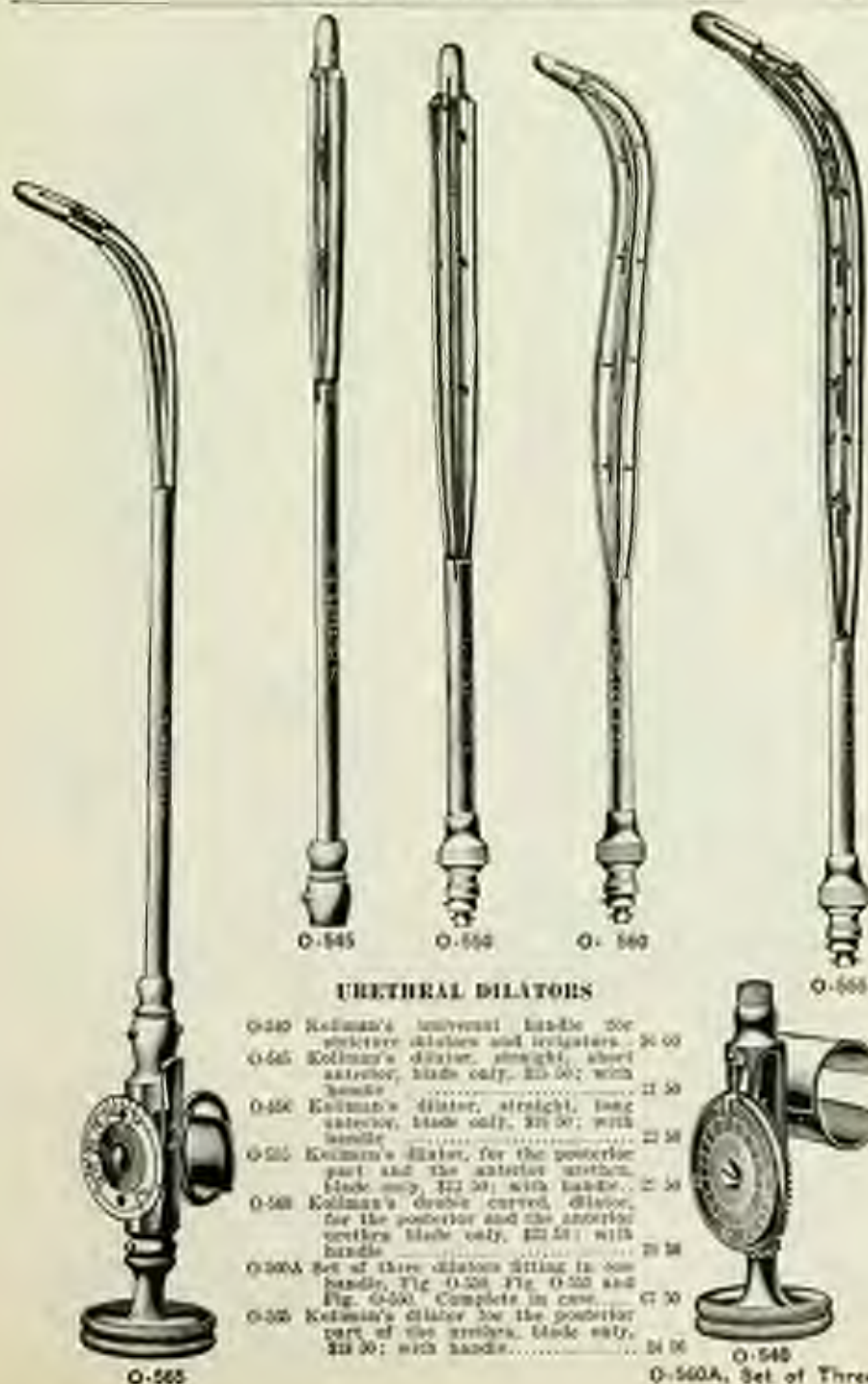


O-510

URETHRAL DILATORS AND COVERS

O-510	Rubber cover for Oberlander's and Kottman's dilators.....	\$5.00
O-520	Oberlander's dilator, short, slightly curved.....	12.00
O-525	Oberlander's dilator, long, slightly curved.....	14.00
O-530	Oberlander's dilator, long, slightly curved.....	12.00
O-535	Oberlander's dilator, long, posterior curve.....	12.00
O-510	Goss's dilator.....	4.00

Do not mutilate catalogue.—Specify section letter and number in ordering.

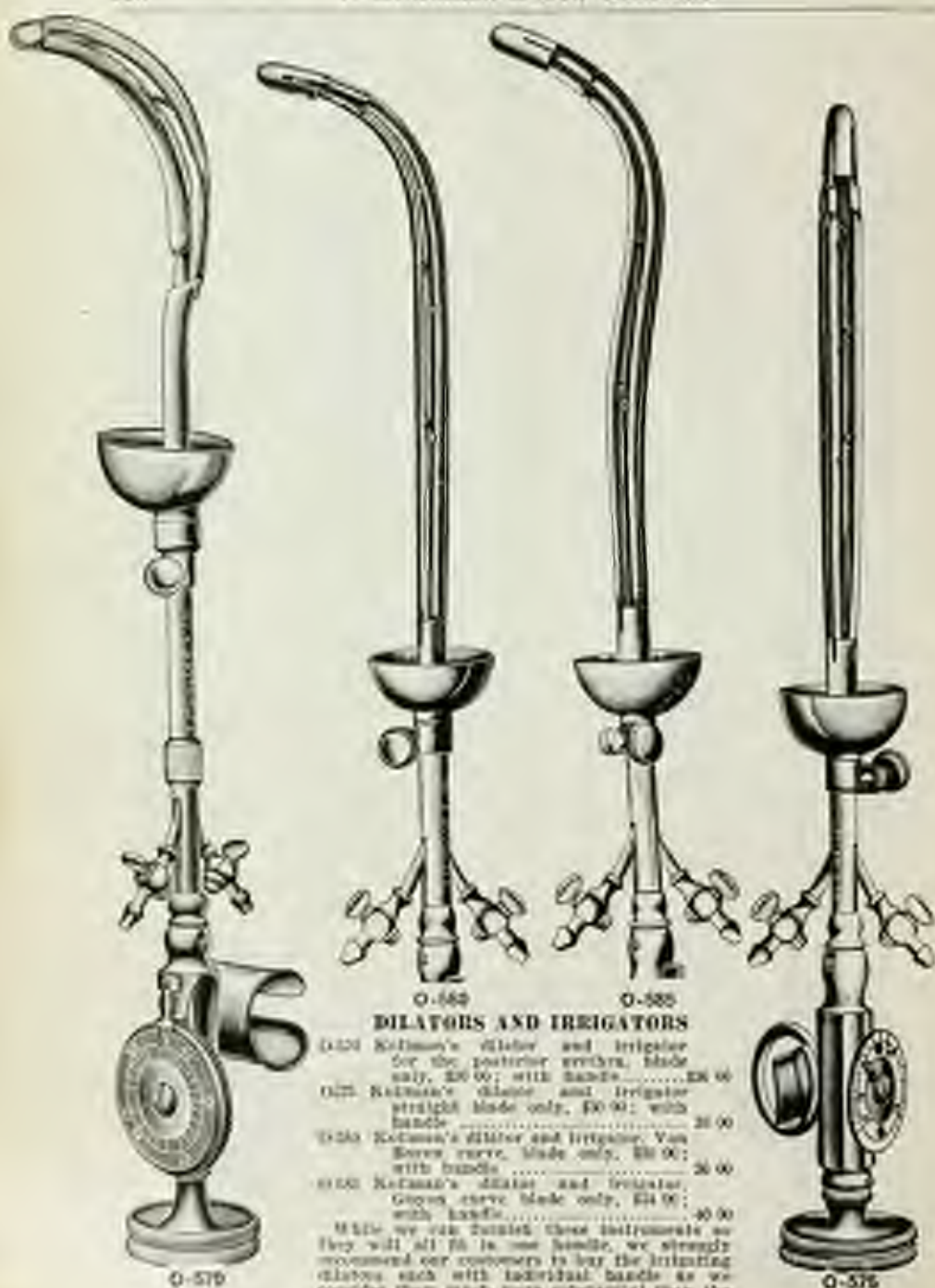


URETHRAL DILATORS

- O-545 Kellman's universal handle for
 writers dilators and irrigators. \$4.00
- O-546 Kellman's dilator, straight, short
 anterior, blade only. \$15.00; with
 handle. 21.50
- O-547 Kellman's dilator, straight, long
 anterior, blade only. \$15.00; with
 handle. 21.50
- O-548 Kellman's dilator, for the posterior
 part and the anterior urethra,
 blade only. \$12.50; with handle. 21.50
- O-549 Kellman's double curved, dilator,
 for the posterior and the anterior
 urethra blade only. \$12.50; with
 handle. 21.50
- O-549A Set of three dilators fitting in one
 handle. Fig. O-549, Fig. O-550 and
 Fig. O-551. Complete in case. 47.50
- O-550 Kellman's dilator for the posterior
 part of the urethra, blade only.
 \$12.50; with handle. 21.50

O-549

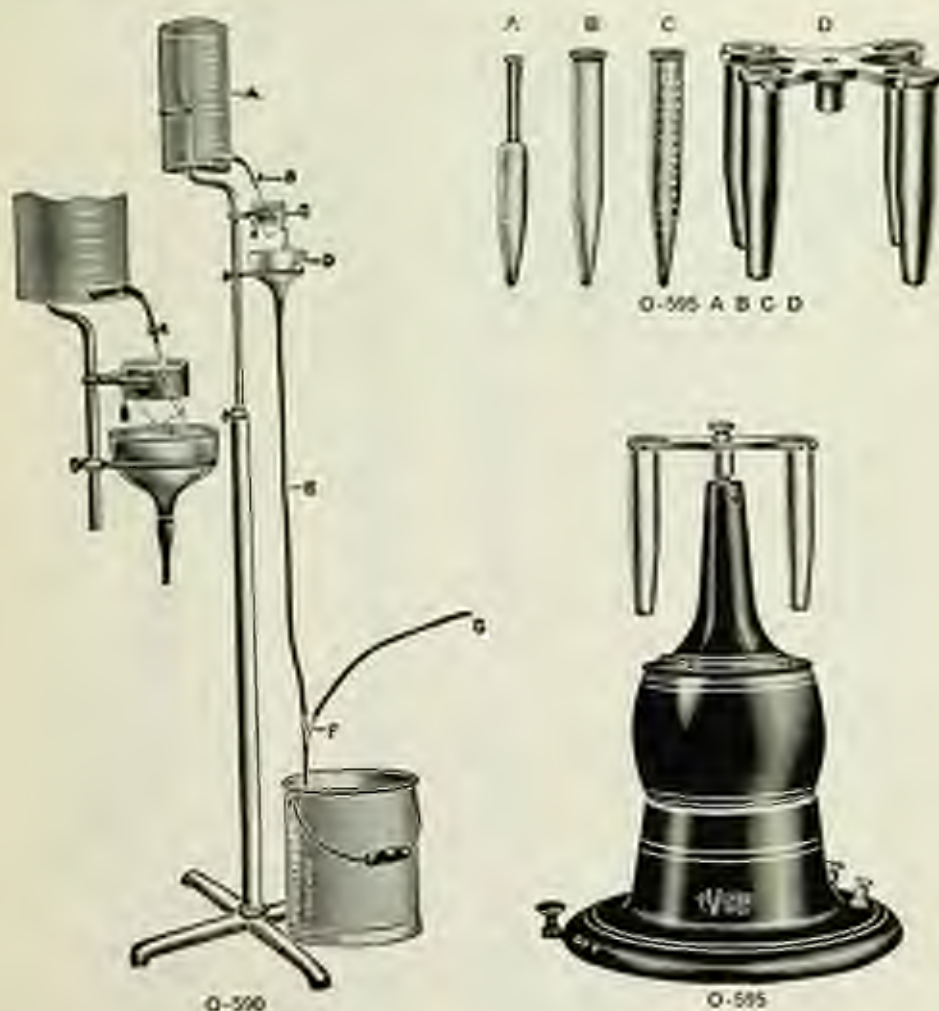
O-549A, Set of Three



DILATORS AND IRRIGATORS

- 1420 Kallman's dilator and irrigator for the posterior urethra, blade only, \$20 00; with handle..... \$26 00
 1425 Kallman's dilator and irrigator straight blade only, \$20 00; with handle..... 26 00
 1430 Kallman's dilator and irrigator, Von Bovey curve, blade only, \$20 00; with handle..... 26 00
 1435 Kallman's dilator and irrigator, Guyon curve, blade only, \$24 00; with handle..... 40 00

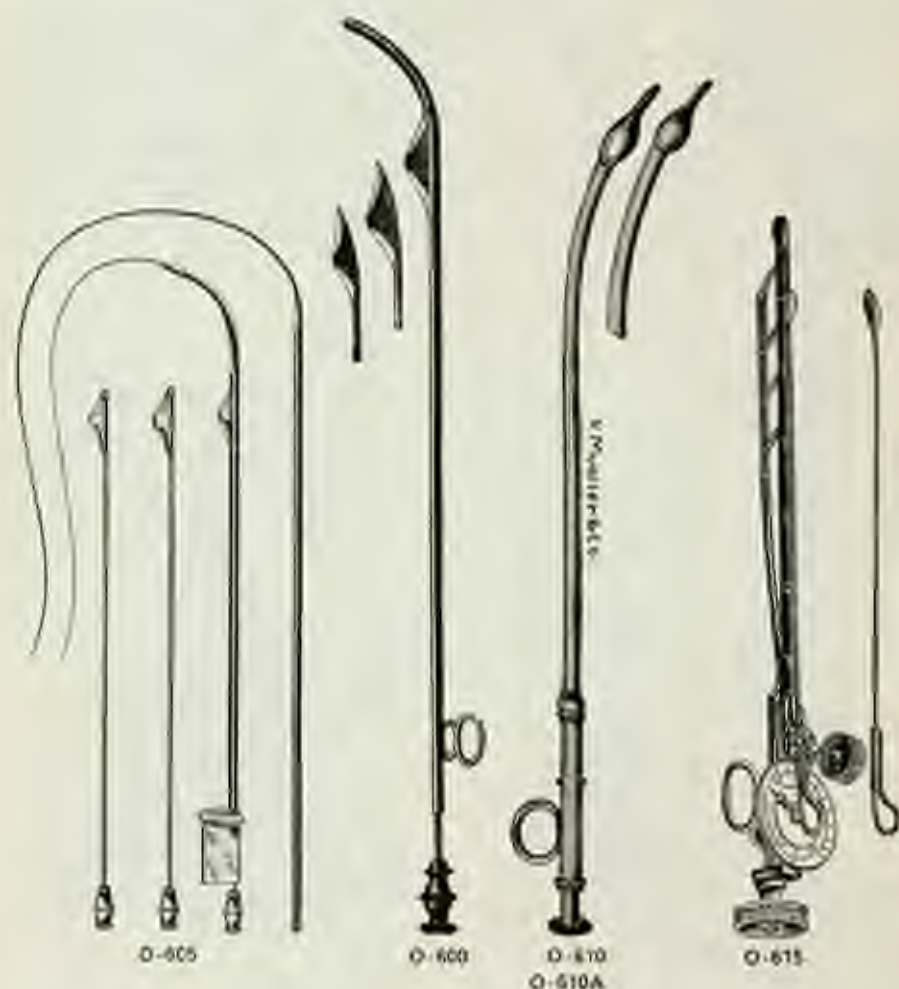
While we can furnish these instruments as they will, all in one handle, we strongly recommend our customers to buy the irrigating dilators with individual handles as we consider them much more substantial than the universal instrument.



EVACUATING APPARATUS AND CENTRIFUGES

- O-590 **Townsend's apparatus for complete drainage of the bladder following suprapubic or perineal cystostomy.** Letters designate parts as follows:
 A reservoir for water; B stopcock for regulating the flow; C cup weighted to the end to hold in place when empty; D faucet to catch the water when cup tips on being filled with water; E long tube which connects the funnel with the Y-shaped glass tube; F Y-shaped glass tube; G tube connecting the drainage tube from the bladder with the S-shape. Complete as shown but without the water pot, net, \$2.00
- O-595 **Vibro electric centrifuge, made for both and direct alternating current. Direct 120 volt current, \$30.00. 30 cycle alternating, 30.00**
- O-100A **Special tube for milk analysis \$1.00. B plain wire tube 36 in. C graduated urine tube \$1.00. D hose tube attachment, complete with aluminum tubes but no glassware \$1.00. E Haeuser's (not illustrated) with two graduated blood tubes and two plain syringe tubes. 5.00**
- For other centrifuges see section P.

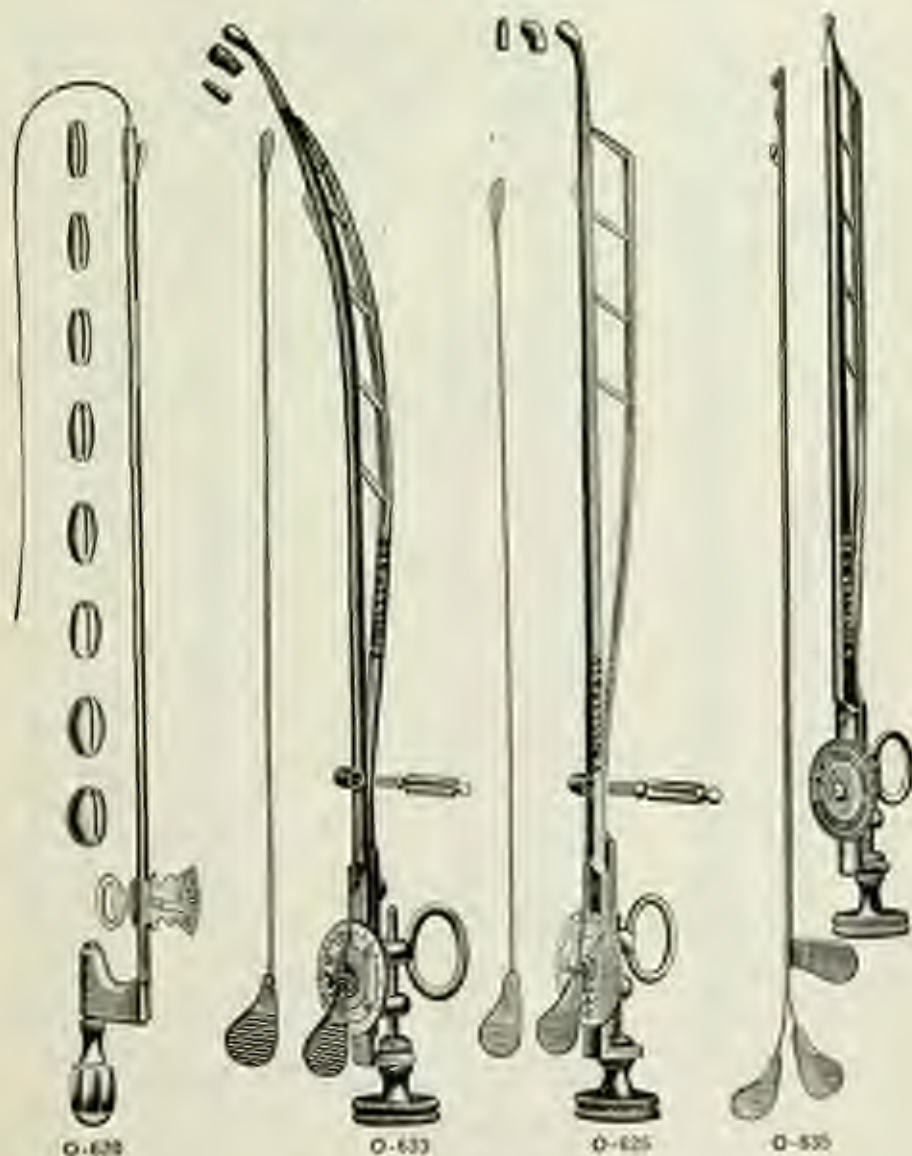
Do not mutilate catalogue.—Specify section letter and number in ordering.



URETHROTOMES

O-600 Malassez's Urethrotome with three blades in case.....	25 00
O-605 Cunningham-Malassez's Urethrotome with three blades in case.....	25 00
O-610 Gross' Urethrotome, blade cutting forward, straight.....	1 75
O-610A Gross' Urethrotome, blade cutting forward, curved.....	1 00
O-615 Kratz's dilating Urethrotome. This instrument is considered one of the best urethrotomes ever invented. The dilating blade is short measuring only 14 centimeters. The cutting blade is actuated by a rack and pinion. Complete in case.....	25 00

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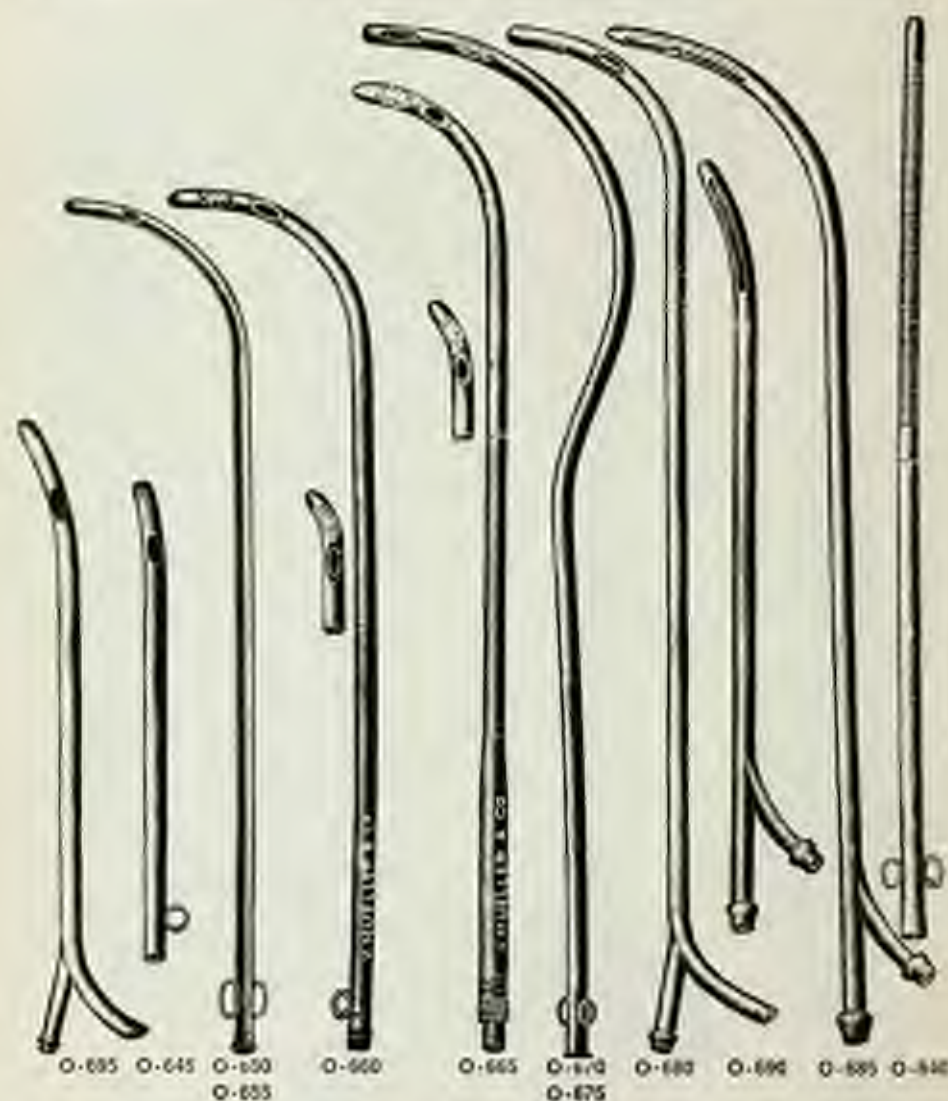


DILATING URETHROTOMES

O-628	Killman's Urethrotome with nine serial blades, in case.....	\$25.00
O-629	Otto-Wyeth's Urethrotome, straight with two blades in case.....	15.00
O-630	Otto-Wyeth's Urethrotome, curved with two blades in case.....	15.00
O-631	Francis-Jones's Urethrotome, complete in case.....	25.00

The Francis-Jones Urethrotome is so arranged that the stricture can be accurately located between two bulbous points, which enables the operator to cut only at the exact point of the stricture. For this reason this instrument should appeal to the profession.

Do not mutilate catalogue—Specify section letter and number in ordering.



METAL CATHETERS

O-635	Metal catheter with spiral end	\$1.00
O-645	Female catheter, nickel plated	1.00
O-650	Male catheter, carefully finished and silver plated, each, Fr. scale 8 to 20	1.00
O-660	Male catheter, made of pure black tin	1.00
O-665	Male catheter, silver, according to size, from 8 to 14	1.00
O-670	Male and female catheter combined, nickel plated	1.00
O-680	Male and female catheter combined, with rubber border, nickel plated	1.00
O-690	Male catheter, pre-curved, carefully finished, silver plated	1.00
O-695	Male catheter, made of pure black tin	1.00
O-640	Male double channel catheter, nickel plated	1.00
O-655	Male double channel catheter, No. 1, nickel plated	1.00
O-675	Female double channel catheter, No. 1, nickel plated	1.00
O-685	Female double channel catheter, nickel plated	1.00

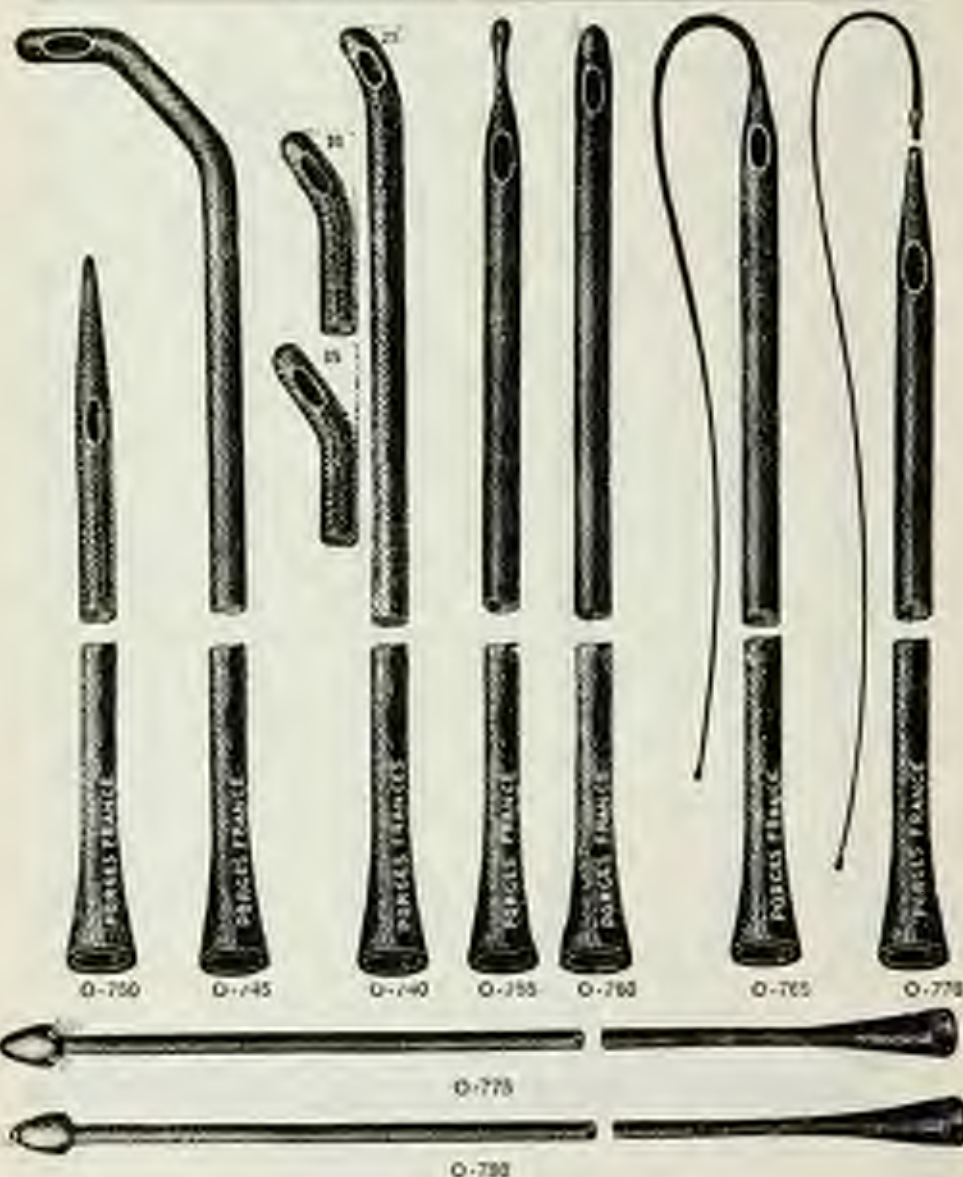
Do not mutilate catalogue.—Specify section letter and number in ordering.



SELF-RETAINING AND OTHER CATHETERS

- O-720 Nelaton catheter, cylindrical, soft rubber with depressed eye.
 O-700 Nelaton catheter, soft rubber, conical.
 O-710 Pezzer's self-retaining catheter, soft rubber.
 O-711 Malwood's catheter, soft rubber, with two or four wings, each.
 O-720 Nelaton and Malwood's catheters are made in sizes French scale 1 to 20.
 O-725 Blandin's flat prostatic catheter, size "Large".
 O-725 Blandin's flat prostatic catheter, with two openings, size "Large".
 O-725 Double current catheter, continuous irrigation.
 O-725 Mandrin for the introduction of Pezzer's and Malwood's self-retaining catheters.
 Prices of rubber catheters subject to change without notice.

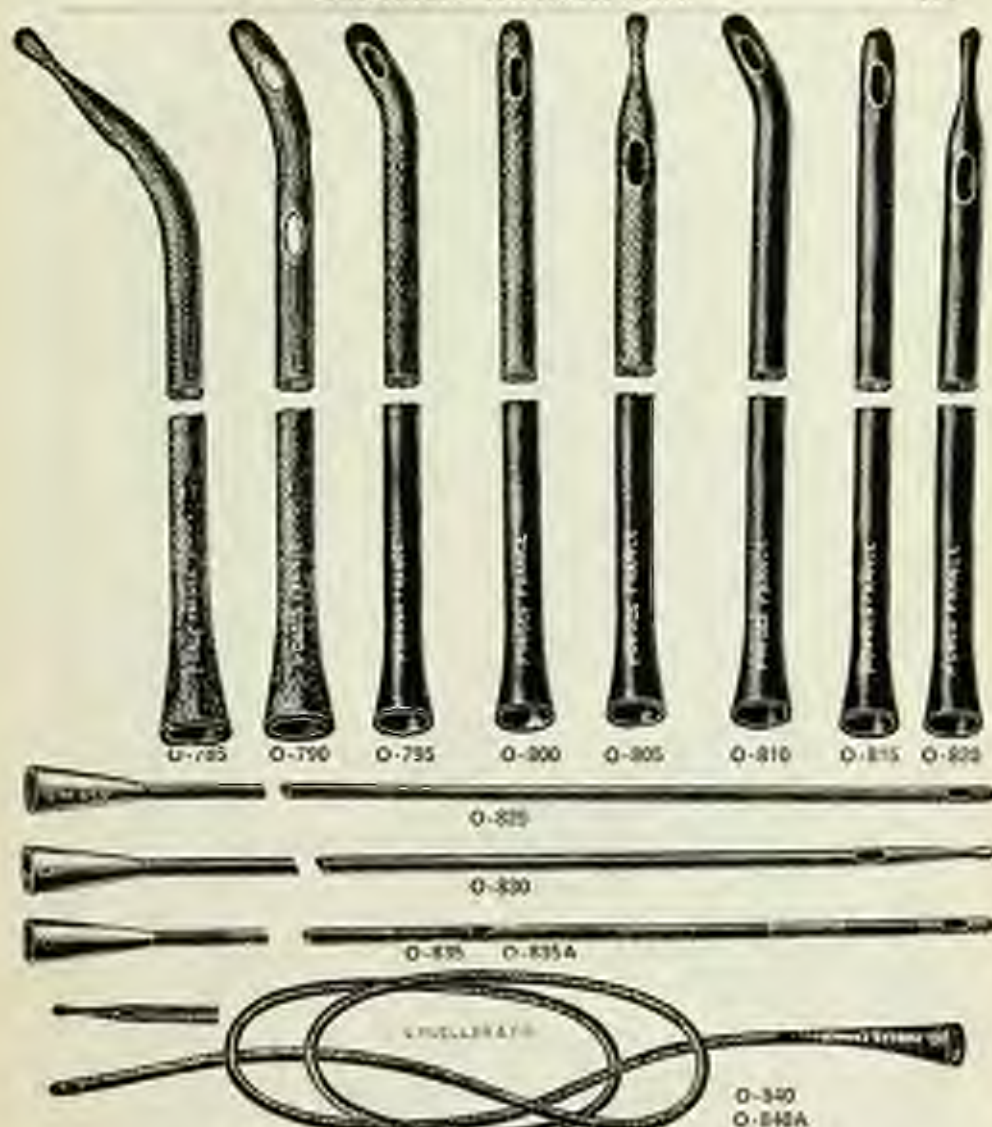
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CATHETERS

O-750	Double curved catheter, silk "Ferguson" made in ivory Pt. scale 7 to 30 cm.	10
O-745	Double curved catheter, silk "Ferguson"	
O-740	Double curved catheter, silk "Ferguson"	
O-735	Double curved catheter, silk "Ferguson"	
O-730	Double curved catheter, silk "Ferguson"	
O-725	Double curved catheter, silk "Ferguson"	
O-720	Double curved catheter, silk "Ferguson"	
O-775	Double curved catheter, with detachable Williams' bougie, silk "Ferguson"	
O-770	Double curved catheter, with detachable Williams' bougie, silk "Ferguson"	
O-765	Double curved catheter, with detachable Williams' bougie, silk "Ferguson"	
O-760	Double curved catheter, with detachable Williams' bougie, silk "Ferguson"	
O-755	Double curved catheter, with detachable Williams' bougie, silk "Ferguson"	
O-750	Double curved catheter, with detachable Williams' bougie, silk "Ferguson"	

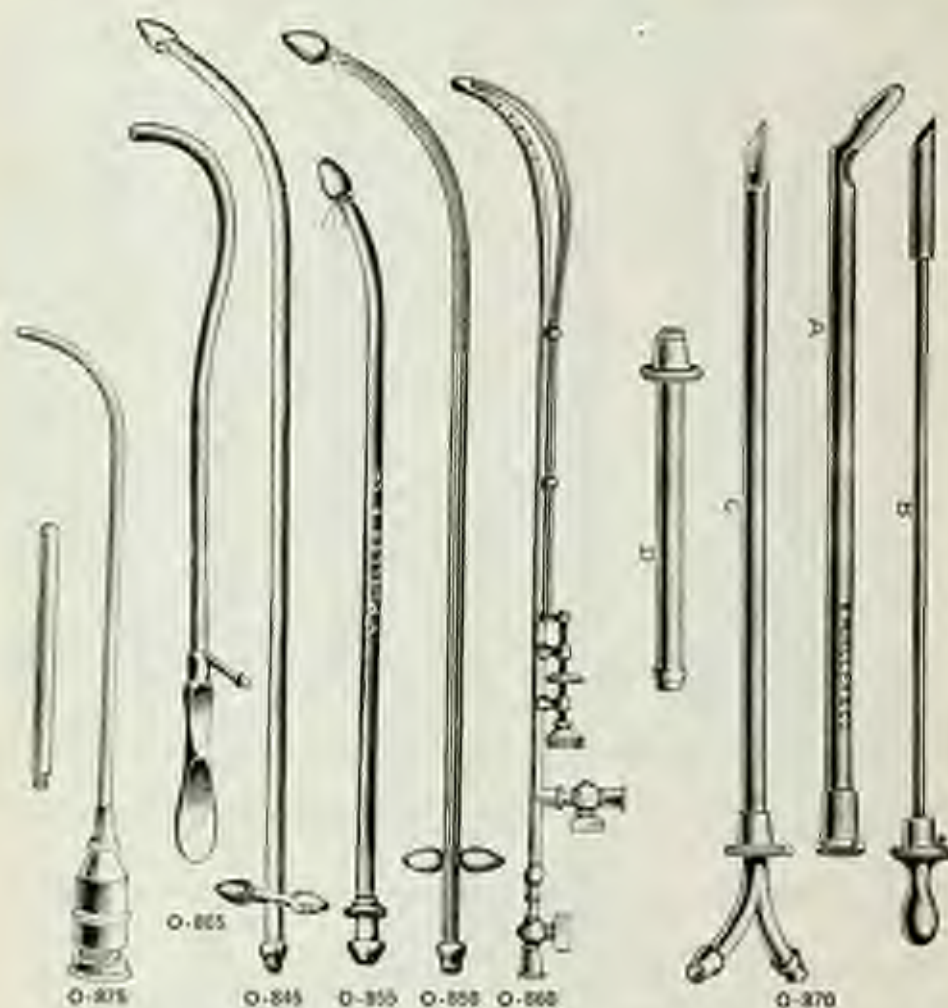
Do not mutilate catalogue.—Specify section letter and number in ordering.



CATHETERS—Continued

O-795	Guyon's catheter, urinary long curved, silk "Purc"	\$1.50
O-790	Messer catheter, coated with 3 openings	3.25
O-795	Messer catheter, brown or black, V. M. & Co.'s or Messer's, each	.25
O-800	Cylindrical catheter, brown or black, V. M. & Co.'s, or Messer's, each	.50
O-805	Urinary catheter, brown or black, V. M. & Co.'s, or Messer's, each	.50
O-810	Messer catheter, black, LaFrance	.50
O-815	Cylindrical catheter, black, LaFrance	.50
O-820	Urinary catheter, black, LaFrance	.50
O-825	Urinary catheter, cylindrical, silk "Purc," 2 ft. long	1.00
O-830	Urinary catheter, straight, silk "Purc," 2 ft. long	1.00
O-835	Urinary catheter, graduated, cylindrical or straight	1.00
O-835A	Urinary catheter, graduated, with whistle point, 2 ft. long	1.00
O-840	X-ray ureter catheter, white	1.00
O-84A	X-ray ureter catheter, Esmarch's graduated with cylindrical or whistle point	1.00

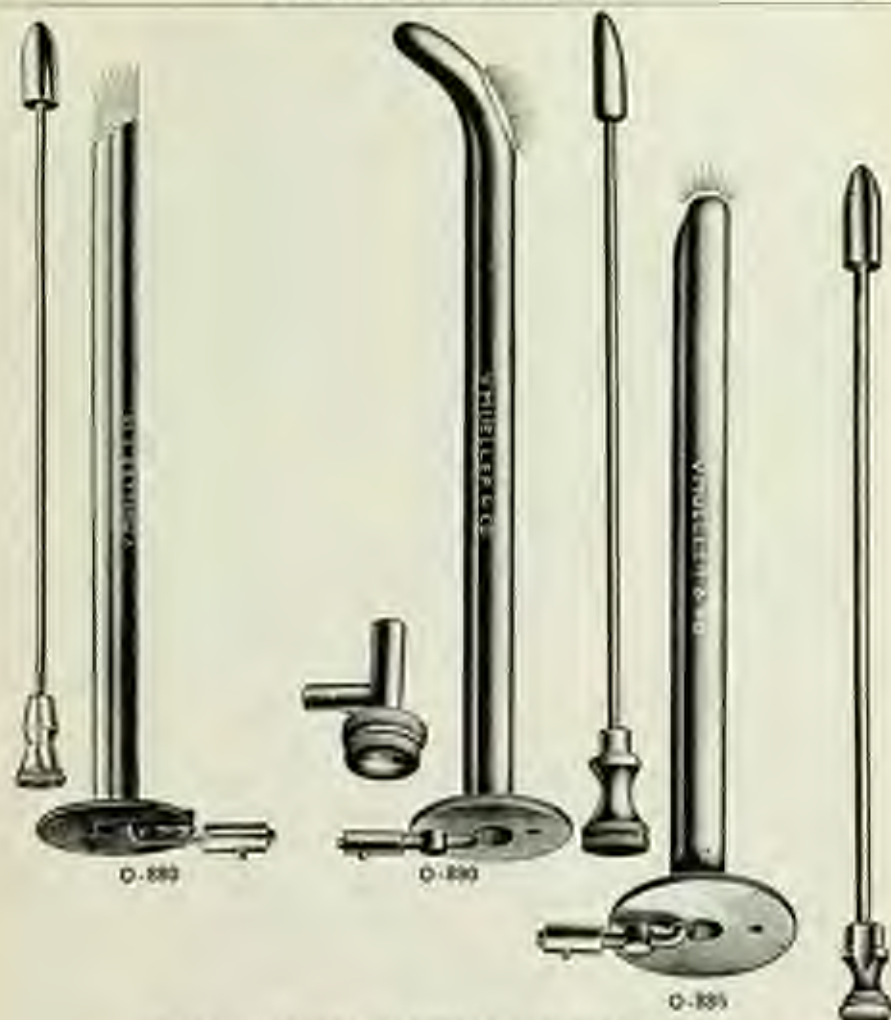
X-ray catheters are prepared by a process which will prevent the X rays from penetrating length of same is 75 to 90 cm.



IRRIGATING SOUNDS AND CATHETERS

O-375	Retractor with three different sized points.....	\$1.00
O-376	Pyall's retractor with grooved tube and three different sized points.....	1.00
O-377	Retractor, plain single tip.....	.80
O-378	Leisemann's diffusing irrigator, with two stopcocks.....	2.75
O-379	Stamm's irrigating sound for the treatment of chronic proctitis and of gen- erate hypertrophy in its incipient stages. Fr. scale 15 to 20.....	2.00
O-380	Eschsch's bladder irrigator, is especially valuable in the treatment of chronic cystitis and other conditions which require irrigation in the bladder. It consists of A. catheter, B. obturator, C. double current cannula, which fits inside the catheter when the obturator has been withdrawn, and D. single current cannula which may be attached to the catheter in place of the double current cannula, price each.....	4.00
O-381	Boston's constant appliance with straight and curved tube.....	2.75

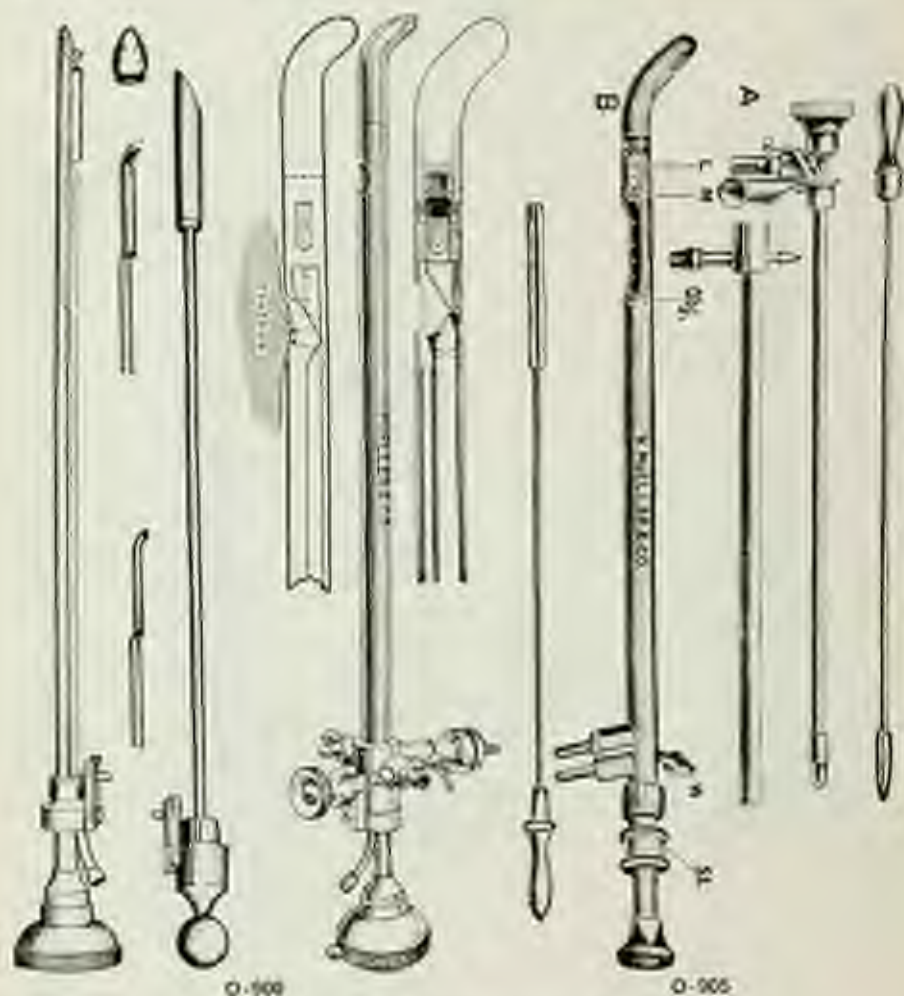
Do not mutilate catalogue.—Specify section letter and number in ordering.



URETHROSCOPES, ELECTRICALLY ILLUMINATED



- O-880 Urethroscope, Valentine's, Fr. scale 20, 22, 24, 26, 28, with obturator and light carrier..... \$4.75
- O-890 Urethroscope, Koellie's Fr. scale 20, 22, 24, 26, 28, length of instrument for male 22 cm. for female 1 to 12 cm. Complete with obturator and light carrier..... 5.75
- Tubes with obturator only..... 2.50
- Light carrier and lamp wire..... 1.25
- O-890 Keeney's posterior urethroscope, is made in three sizes, 22, 24 and 26 Fr. scale, size 24 is the most popular, with obturator and light carrier, \$5.00. With window and sliding bulb..... 12.00
- O-890 and O-895A Illustrate an attachment suggested by Dr. P. G. Harris, which can be attached to any of the above described Urethrosopes. It consists of a metal spring clamp holding a magnifying lens suitable for the individual operator. This can be turned out of the way for the purpose of making application, price..... 1.00



URETHROSCOPES, ELECTRICALLY ILLUMINATED

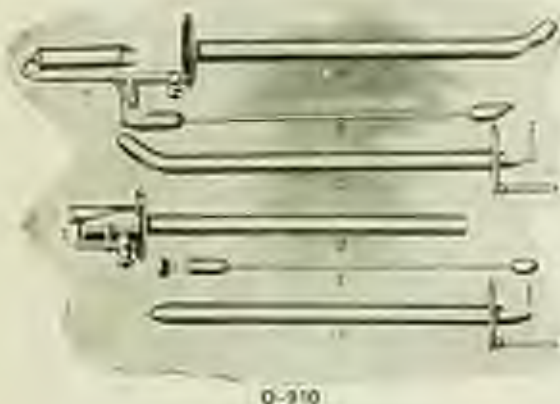
- D-900 Bomer's Cross-urethroscope is an instrument that gives an absolutely true picture of the neck of the bladder and posterior urethra, portions of the urinary tract that have hitherto escaped accurate observation. Typical applications are made just as through a surgical endoscope. A direct view can be obtained through the dry sheath by inserting an endoscopic lamp. By adjusting a fine silver deflector to the telescope the illuminator and spandrelly duct can be probed for a short distance, and after fixation of the large catheter guide a sterile catheter can be inserted into the ureters, or a fulgurizing electrode can be employed to remove small tumors with the Galvanic current. Complete with two Edison dry-batteries, long and short leads for the posterior and anterior urethra, extra-uterine lamp system, two extra lamps and cord in case. . . . \$15.00
- D-901 Goldschmidt's urethroscope for the anterior and posterior urethra, consisting of 1. straight tube for the anterior urethra, with arrangement for illumination from the posterior end, and one tube with curved detachable end for the posterior urethra. Optical apparatus, rubber, two extra lamps in case. . . . \$10.00

Do not mutilate catalogue—Specify section letter and number in ordering.

URETHROSCOPES ELECTRICALLY ILLUMINATED

Q-910 H. H. Young's urethroscopes with external illumination as illustrated here, are a set of tubes consisting of two hooked and two straight urethroscopes with cutters, light attachment and distal window. The light carrier it relies on a post by which it is attached to the urethroscope tubes A, C, D and F, so that it can be readily adjusted. A small reflector is fixed to the left half of the lens shows more light in the urethroscope. This keeps it off the outer pole, and thus prevents the blinding reflection on this pole very in some other urethroscopes. Straight urethroscopes are made in 24 and 28 French. 15 cm. long, each... \$1.50
Hooked urethroscopes 24 and 28 French. 15 cm. long, each... 4.50
Light attachment... 5.50
Distal window... 4.50

Q-911 Accessories for H. H. Young's urethroscopes. Dr. Young has devised a set of instruments to operate through the urethroscopes described above, they consist of the following:
Fig. 1. Intracapsular retractor... 10.00
Fig. 2. A small pair of scissors... 12.00
Fig. 3, 4, 5, 6. Testes, each... 2.50
Fig. 7. Fine probe... 1.25
Fig. 8 and 9. Curvatures, each... 4.00
Fig. 10. Perforator with platinum wire... 8.00



Q-910



Q-909



Q-915

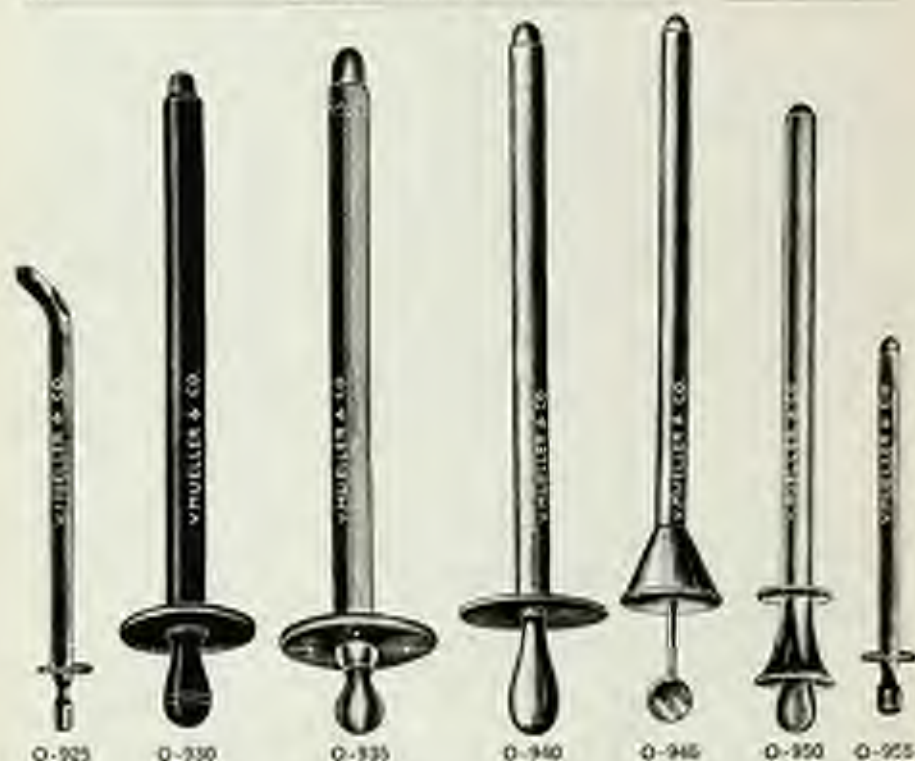
Q-912 H. H. Young's urethroscope, median bar variety consists of a tube with small prostatic curve and a fenestra in the inferior aspect as shown in figure B. It is provided with an obturator Fig. A, and the outer portion is constructed like the urethroscopes and is provided with a similar illuminating attachment. An inner tube C is provided, one end of which has a slightly oblique sharp cutting edge. The instrument is used for cases in which there is a small bar formation in the median portion of the prostate not associated with hypertrophy of the lateral lobes.

Price complete with light attachment.....	25.00
Without light attachment.....	12.00
Leather covered case extra.....	7.00

The above described urethroscopes are also made in solid silver, silver soldered, price for straight tubes, each \$1.00, for hooked tubes, each \$1.50.

If interested please send for larger illustrations and more detailed description.

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O-930

PLAIN URETHROSCOPES AND PULVERIZATION INSTRUMENTS

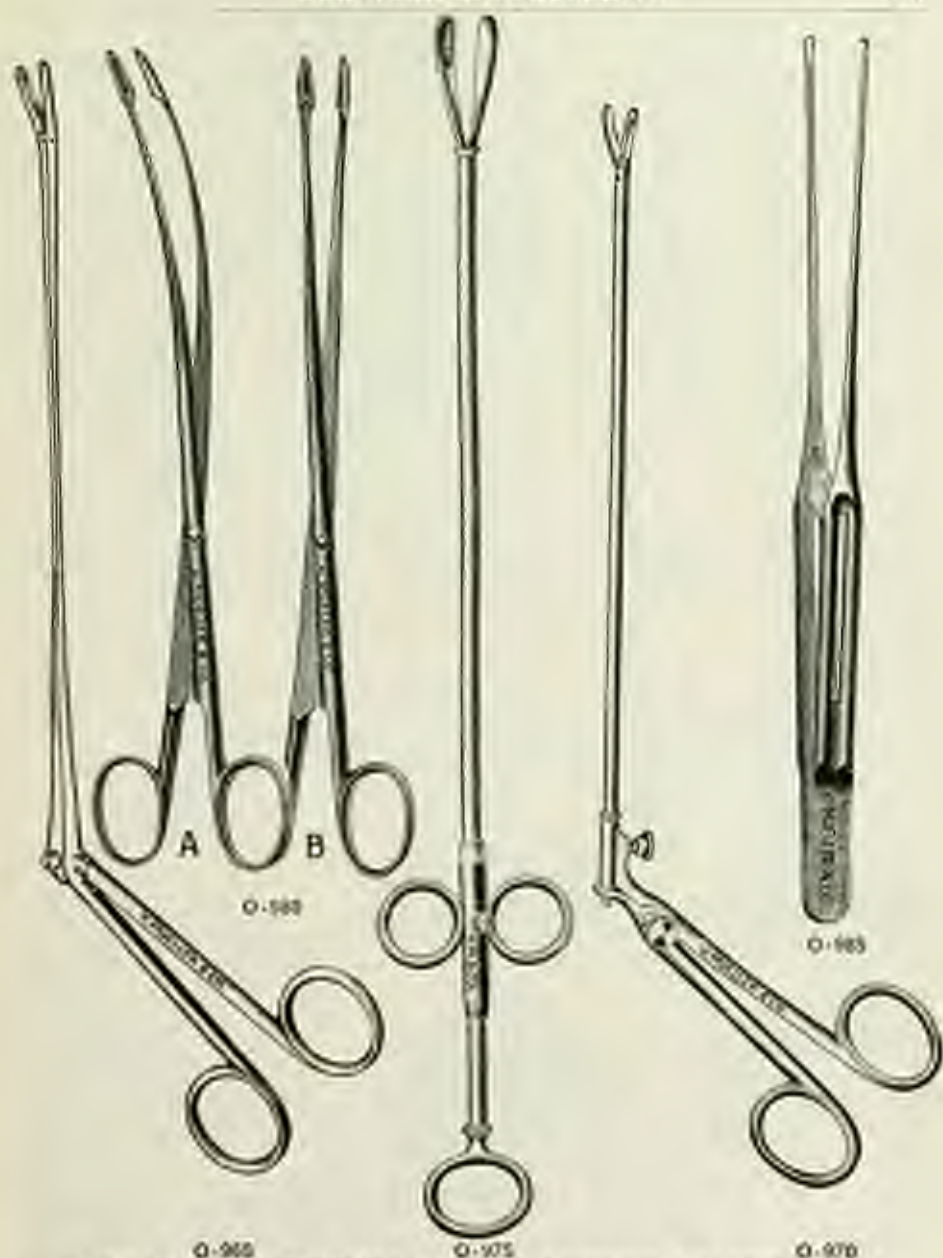
O-923	Bethel's urethroscope, posterior.....	\$1 75
O-924	Kiety' urethroscope, hard rubber.....	25
O-925	Kiety' urethroscope, metal.....	1 00
O-926	Baldwin's urethroscope, metal.....	1 00
O-927	Old's urethroscope, metal.....	75
O-928	Russell's urethroscope, metal.....	1 25
O-929	Lydon's urethroscope, metal.....	1 00
O-930	V. M. & Co's Pulverization electrode.....	

This electrode was designed by Dr. F. H. Cook and further modified by Dr. Bethel. When used in connection with any high frequency apparatus will deliver the high potential current through any naked cystoscope of the Nitze or Foreman type, to that portion of the bladder where Gorline growths are to be destroyed. The conducting wire is insulated from the cystoscope, with a closely woven silk sheath, which is flexible, a high insulator, and may be sterilized. Due to the improved construction there is no likelihood of the current sparking the operator's hand, the current may be made, and broken at will, by means of an easily operating switch.

Price complete.....

\$ 60

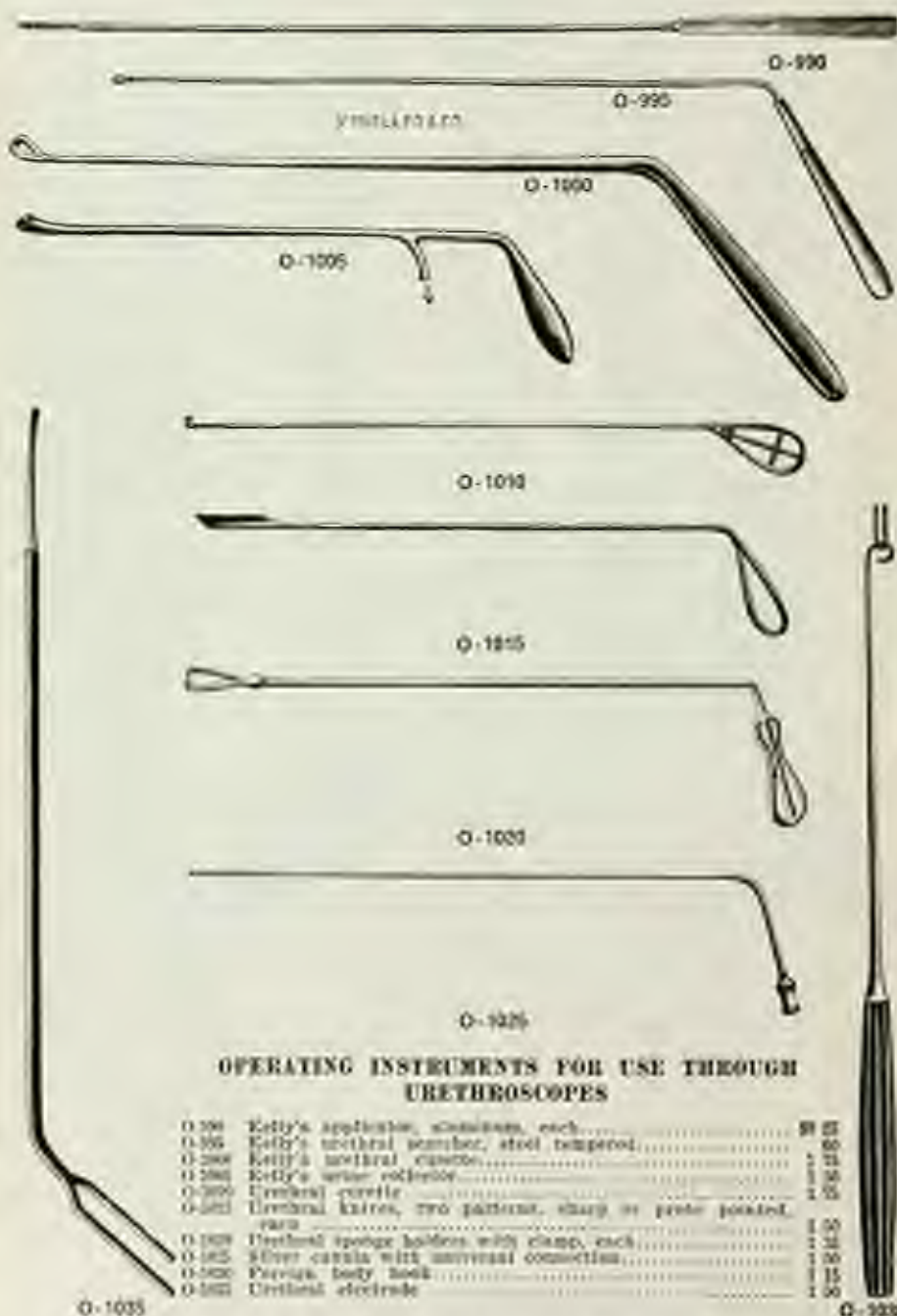
Do not mutilate catalogue.—Specify section letter and number in ordering.



OPERATING INSTRUMENTS FOR USE THROUGH URETHROSCOPES

O-960	Mayhew's alligator forceps, 12 in. long, each.....	\$3.00
O-970	Neill's alligator forceps, can be furnished with serrated or cutting jaws, 12½ in. long.....	1.50
O-975	Hunter's urethral forceps, 12 in. long.....	2.75
O-985A	curved, O-985B straight, urethral forceps, Thompson's 5 inches long, each.....	1.50
O-965	Kelly's urethral tissue forceps, 9½ in.....	2.25

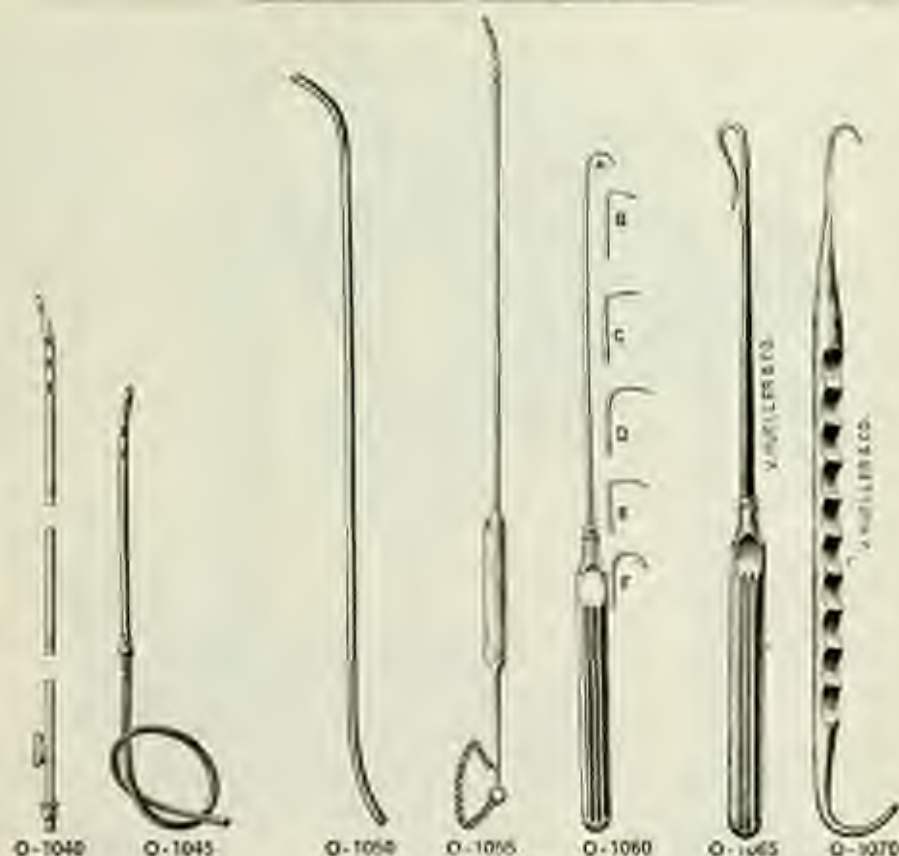
Do not mutilate catalogue.—Specify section letter and number in ordering.



OPERATING INSTRUMENTS FOR USE THROUGH URETHROSCOPES

O-990	Kelly's aspirator, stainless steel, each.....	\$1.00
O-995	Kelly's aspirator, stainless steel, each.....	\$1.00
O-1000	Kelly's aspirator, stainless steel, each.....	\$1.00
O-1005	Kelly's aspirator, stainless steel, each.....	\$1.00
O-1010	Kelly's aspirator, stainless steel, each.....	\$1.00
O-1015	Kelly's aspirator, stainless steel, each.....	\$1.00
O-1020	Kelly's aspirator, stainless steel, each.....	\$1.00
O-1025	Kelly's aspirator, stainless steel, each.....	\$1.00
O-1030	Kelly's aspirator, stainless steel, each.....	\$1.00
O-1035	Kelly's aspirator, stainless steel, each.....	\$1.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



URETHRAL CATHETERS, TENACULA, ETC.

O-1040	Kelly's urethral catheter, long curved, plated	10
O-1045	Kelly's urethral catheter, short, silver	10
O-1050	Kelly's catheter, open on both ends, small silver	10
O-1055	Kelly's catheter, with handle, ring and chain	10
O-1060	Urethral tenacula, with various curves, each	10
Please order by letter, A, B, C, D, E or F.		
O-1065	Kelly's tenacula, with straight hook	10
O-1070	Kelly's tenacula, with finger hook and covered handle	10
O-1075	Metal catheter carrying case, designed to hold and retain catheter	10
O-1080	Metal catheter carrying case, same as above, with the exception of having a small compartment in the center with a slide fitting lid for vaseline and other lubricant	10
O-1085	Metal catheter case, same as above with a small compartment for formaldehyde as a disinfectant. The lid has a see wide glass top	10



Tuberculous vesicle



Fungus vesicle



Oedema bullousa

**© 1000 DEL V. BLUM'S NEW
BLADDER PHANTOM**

Complete with
accessories as il-
lustrated, set, \$25.00

For full description see next
page

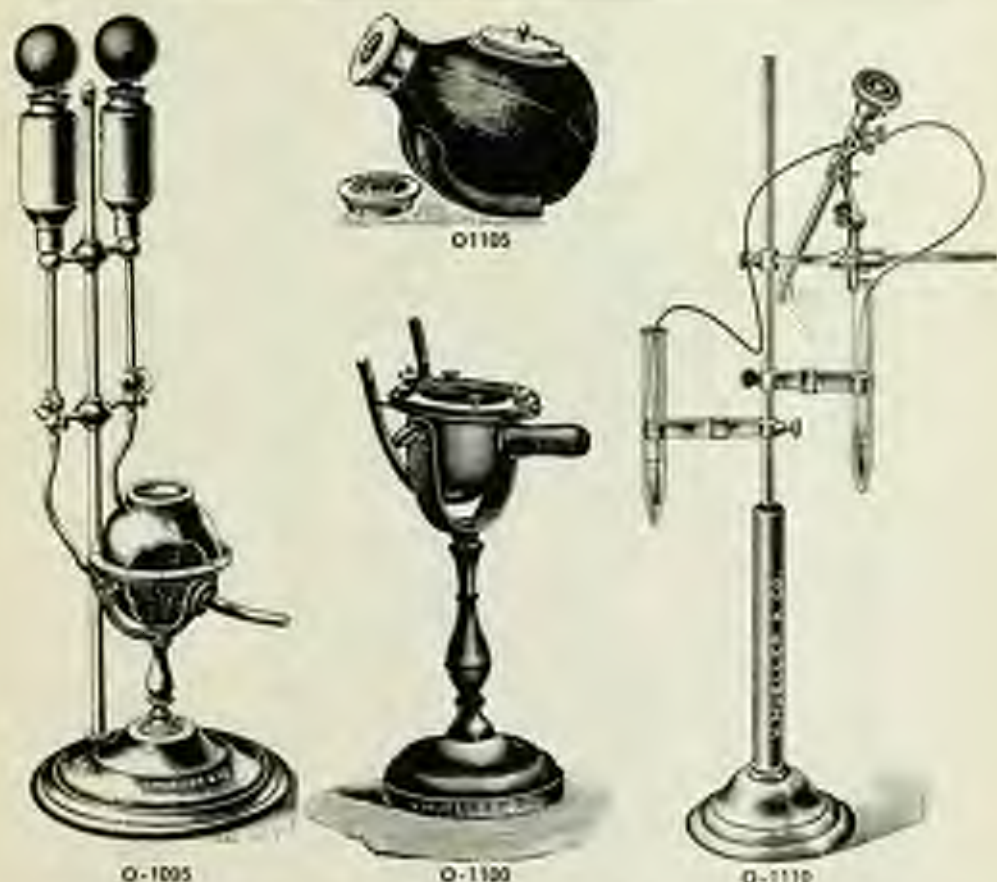


Carcinoma vesicle



Testis & columns

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O-1005 New bladder phantom suggested by Dr. V. Blum for practicing examination and catheterization by means of the cystoscope, illustrated on page 12.

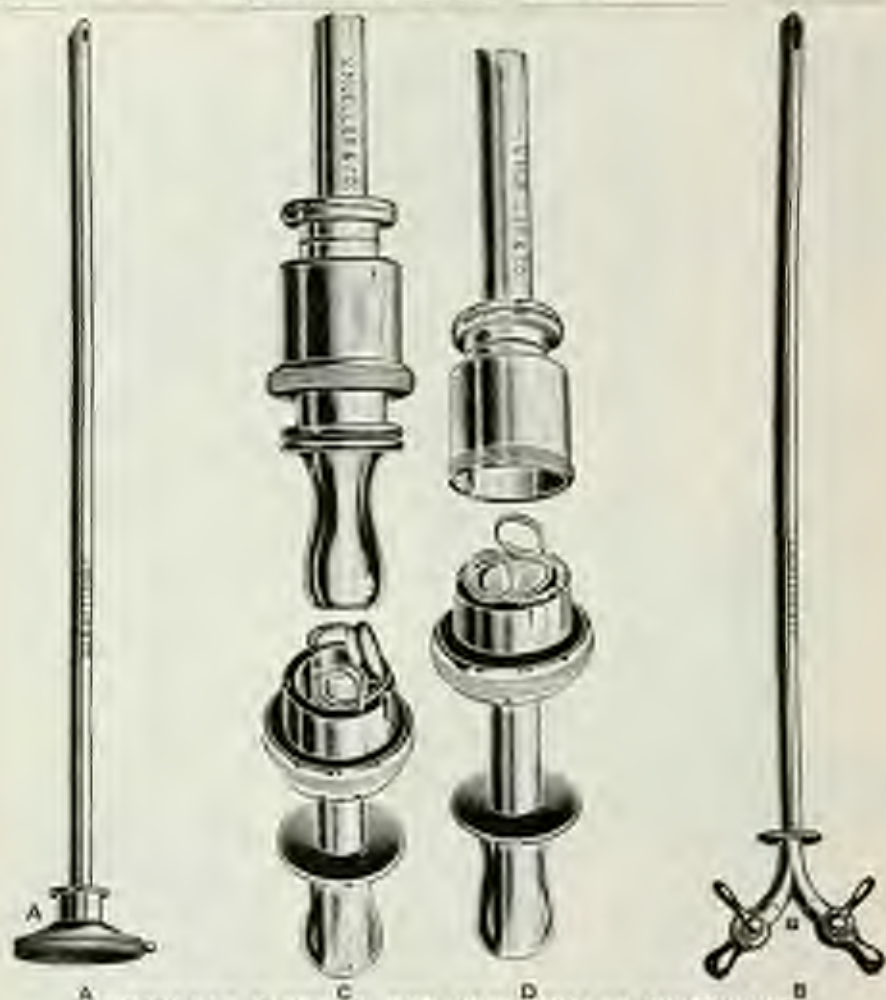
This phantom is made of one piece of a rubber compound which will resist the ravages of time much longer than other phantoms now offered to the profession. There are several new features not found in other phantoms, such as a hard rubber stopper which can be removed so the operator may easily observe the movements made by the operator with the cystoscope. The position of the phantom can be changed up or down, by means of a set screw. The interior of the bladder when filled with water, is an exact reproduction of the natural bladder as regards the color and shows the ureter opening, the trigonum, a beginning prostatitis, etc. The knob on top of phantom Fig. 1005, may be removed, and an apparatus such as shown on top of phantom Fig. 1006, may be attached by means of which dropping of urine from the ureter is simulated.

With the phantom we also furnish four bronze discs accurately modeled to nature and painted in color representing the more prevalent diseases of the bladder, as illustrated in actual size. In addition we furnish a reproduction of a papilloma which can be fastened into the phantom by means of a metal spring. This is for the purpose of practicing operating in the bladder.

- O-1006 Apparatus simulating the action of dropping urine from the ureter into the bladder, can be attached to phantom, set \$21.50
 Complete with bladder phantom, Fig. 1005, set 43.50
 O-1100 Bladder phantom suggested by Prof. Nitz 21.50
 O-1105 Bladder phantom suggested by Dr. Bradford Lewis, latest model 24.00
 O-1110 Cystoscope stand suggested by Dr. Sprocket, with clamps holding two urine collecting tubes, and adjustable clamp for holding cystoscope 16.50

This apparatus is of great value to the teacher of diseases of the bladder and cystoscope.

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COMPONENT PARTS OF THE NEW RIEGLER CYSTOSCOPE

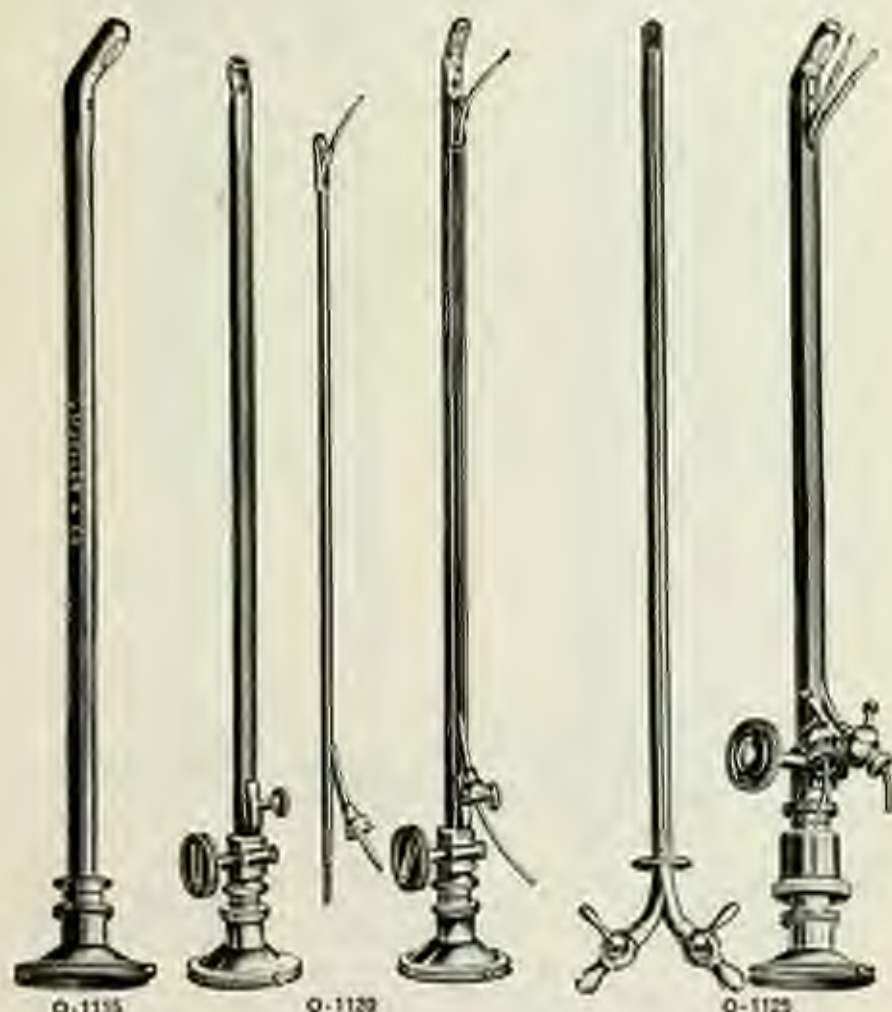


Fig. A represents the removable lens system employed in connection with our new Nitro-Hungate examining, catheterizing, irrigating and evacuating cystoscopes with upright image. These new lens systems are supplied by Carl Zeiss Optical Works at Jena, and show a right sided and upright image, thereby making catheterization much simpler than in earlier types of cystoscopes.

Fig. B represents the double channel irrigating attachment. If while examining the bladder the water distributing tube becomes clogged, the lens system may be withdrawn, and by means of this irrigating attachment the bladder is refilled with clear water. In this way the bladder may be emptied and refilled without disturbing the cystoscope proper.

Fig. C illustrates the new automatic valve which is fitted with powerful springs, of non-corroding metal.

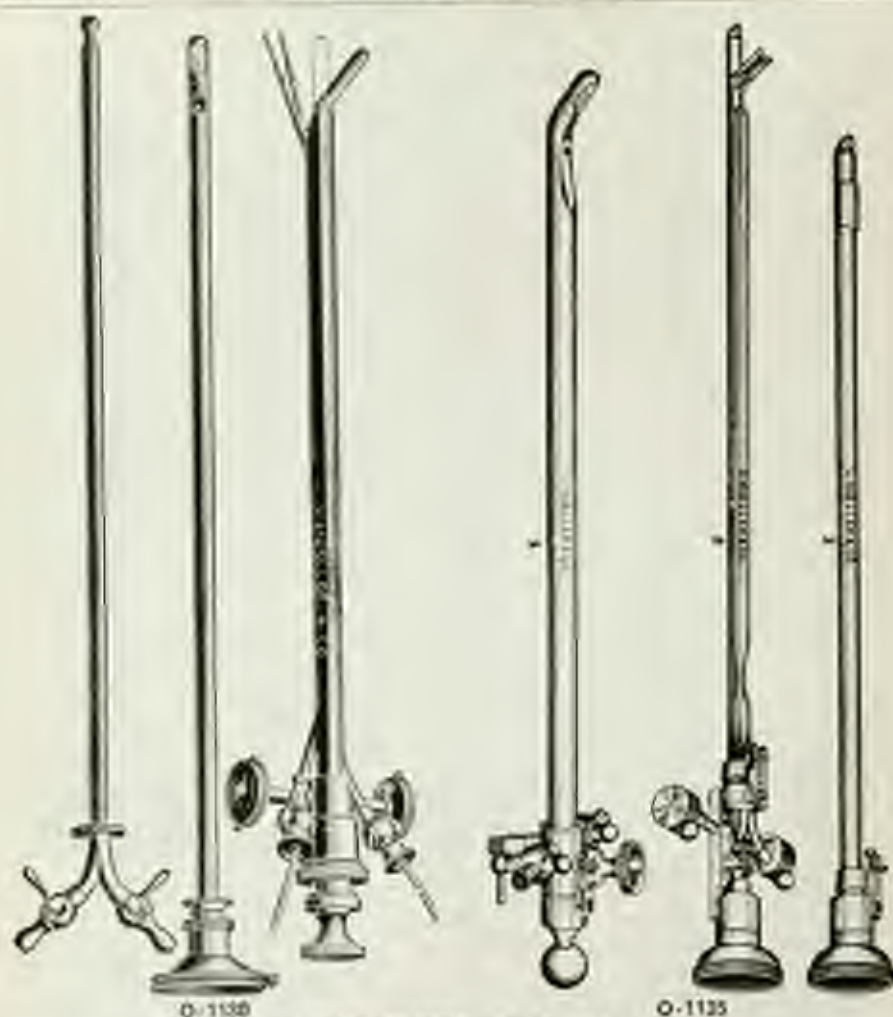
When the lens system or irrigating attachment is withdrawn from the sheath, this valve closes immediately and prevents leakage from the bladder. The sheath now illustrated in C and D has a large bore and is used in connection with an evacuated bulb for the purpose of removing small particles from the bladder which cannot be removed by irrigation.



CYSTOSCOPES WITH RIGHT-SIDED AND UPRIGHT IMAGE

O-1115	Nine-tubed examining cystoscope, made in three sizes, 15, 18 and 21 French.....	\$40.00
O-1120	Nine-tubed improved examining and catheterizing cystoscope, with right-sided and upright image, complete with one reserve lamp, condensing cords, eyepiece and one catheter, in case.....	45.00
	With double divided catheter channel and two catheters, in case.....	75.00
O-1125	Nine-tubed examining, irrigating, catheterizing and aspirating cystoscope, with right-sided and upright image. Complete with removable lens system, double channel irrigating attachment, evacuating tube, condensing cords and switch, two catheters and one reserve lamp, in case.....	77.50
	Cystoscope as described above but arranged for one catheter only, in case.....	47.50
	The lamps used with these cystoscopes are the Tungsten (cold) lamps. Extra lamps, each.....	1.50

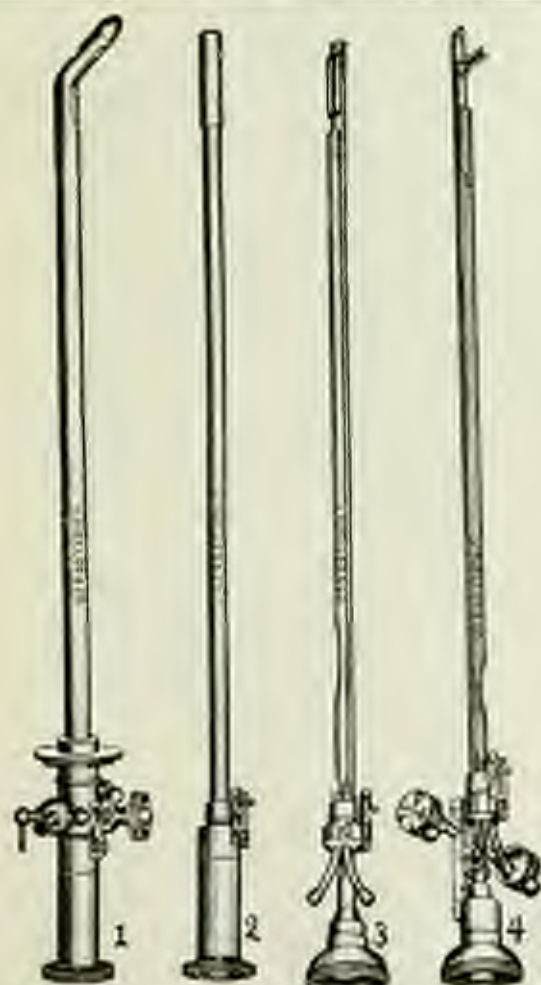
Do not mutilate catalogue—Specify section letter and number in ordering.



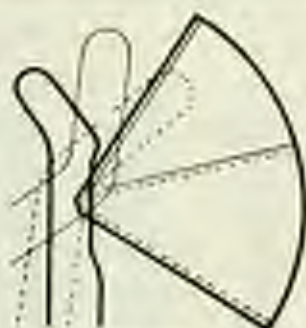
CYSTOSCOPES—Continued

- O-1128 Eagle's double reflecting cystoscope, possesses all the advantages first described under Fig. O-1125. It is easily introduced without rotation with the aid of Oberlander's obturator, the lever of which is turned downward during introduction. The absence of a rotary movement is of considerable advantage in case of reflecting catheters. The urethral catheters are introduced from above, whereby the movements of the operator are far less restricted than if introduced from below. After this instrument has been introduced, the obturator is removed and the lens system with a straight lamp attached, is inserted. We also supply a curved lamp with this instrument and when this is attached the lens system is converted into a small oblique examining eyepiece. Complete, including all attachments described under Fig. O-1125, with the addition of the Oberlander obturator, one reserve lamp, curved and one reserve lamp straight, in case..... 33 00
- O-1129 Brown's cystoscope containing double reflecting and reflecting cystoscopes. 24 00
- The simplicity of the construction of this instrument, the removable telescope system, the large oblique viewing eyepiece and the simple reflecting telescope admit of two No. 4 or 7 urethral catheters, are noteworthy features. Complete with examining and reflecting lens systems, obturator, connecting cord, two extra lamps and two catheters, in case, showing inserted image with right-sided and straight image..... 30 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



O-1140



0-1140, Oblique View Cystoscope, for the examination, catheterization and irrigation of the bladder, and the examination of the prostate and posterior urethra. The dotted lines represent break or reflect; the prism end of original wire and other indirect view cystoscope. Light lines represent the objective lens end in the Hresner or other direct view cystoscope. The heavy lines show the objective prism end in the Oblique View Cystoscope with its large right side up, corrected field of vision, equal in diameter to the direct and indirect types. Its short break makes possible an easier introduction into the bladder and makes possible the examination of small capacity or contracted bladder. Its position in use is an easy and natural way, necessitating no depressing of prostate when examining tripe or catheterizing ureters.

The location of facet of objective prism is up in the tube, thus giving a satisfactory view of the prostate and posterior urethra.

The instrument is 21 in. and carries two 1. P. catheters, which allow at a free flow of the urine.

Price complete with two catheters is case,.....\$5.00

CYSTOSCOPES—Continued

0-1141 F. Tilden Hresner's Composite or universal cystoscope, 24 in.

This instrument is the outcome of many years of mechanical experimentation and clinical observation on the part of the late Dr. Tilden Hresner. The present model embodies all the essential features and improvements that were developed by Dr. Hresner's careful technique.

Three complete lens systems, No. 2, 3 and 4, all showing the right-sided and upright image, are included with this instrument.

The examination telescope is designed so that it catenates the instrument perfectly and enables the operator to make an examination without change after introduction of the instrument. See No. 1.

Both the direct and indirect catheterizing telescopes admit two No. 5 catheters and are especially designed for synchronous catheterization of the ureters.

As described above, all telescopes showing correct vision, sheath, and the new patent switch with rotating reflector, complete in case, with two extra lenses, etc.,.....\$12.00

Same outfit with telescope showing inverted image and good connection,.....\$10.00

Extra lens system for looking backward, inverted image,.....\$5.00

Correct image,.....\$5.00

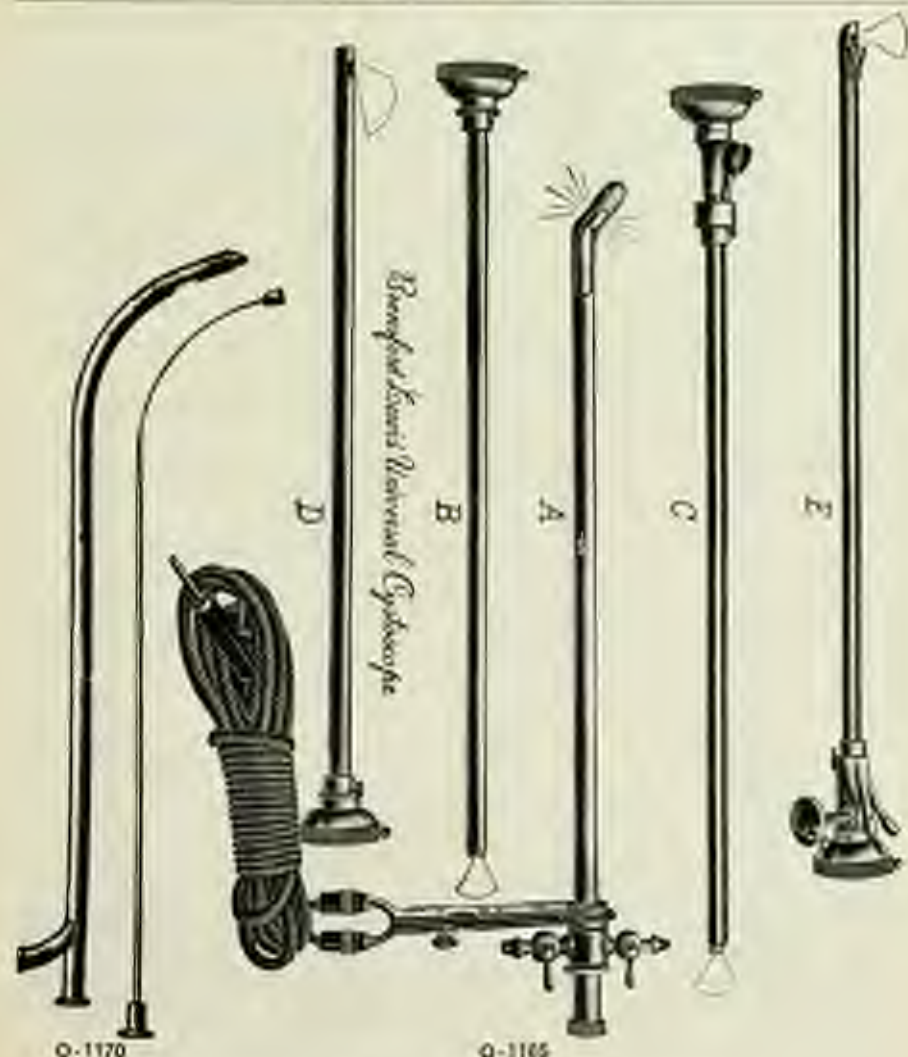
See mutilate catalogue—Specify section letter and number in ordering.



CYSTOSCOPES—Continued

- O-1145 Nitze improved examining cystoscope made to 15, 18 and 25 Fr. scale. Inverted image, with one reserve lamp and conducting cords, in case..... \$31 00
- O-1150 Nitze-Schlagewell's latest improved examining, irrigating and catheterizing cystoscope. The telescope can be removed and by inserting the double channel sheath the bladder can be irrigated.
A valve automatically closes the sheath to prevent leakage from the bladder. Complete with conducting cords, two-way stopcock, two reserve catheters, one in reserve lamp in case..... 75 00
- O-1150A Nitze-Schlagewell's cystoscope, as above described, arranged for one catheter only..... 60 00
- Not. O-1150 and O-1160 can be furnished with upright lower leg system at an additional cost of \$1 00.
- O-1155 Bremer's latest new cystoscope, of the latest type has a much shorter lens than the original model which is represented by this illustration. Complete with collector and extra lamp in case (latest model)..... 50 00
- O-1160 Altmann's direct view, double catheterizing cystoscope. This instrument is of the Bremer type but it has the advantage that the catheter sheath can be removed and the telescope proper be used as a plain examining cystoscope, as shown by figure A..... 65 00
- Extra lamps for any of the above instruments..... 2 50

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CYSTOSCOPES—Continued

- Brassford Lewis' new and improved Universal cystoscope, consists of:
1. Sheath with obturator, Fig. A, the latter affording illumination of the whole interior of the bladder by femoralization of its beak on both convexity and concavity.
 2. Telescope for direct double universal catheterization, Fig. C.
 3. Telescope for indirect double ureteral catheterization, with right-angle lens, Fig. E.
 4. Telescope for retrograde view, non-catheterizing, Fig. D.
 5. Electric cable, with cut-off switch attached, placing control of the light in the hands of the operator.

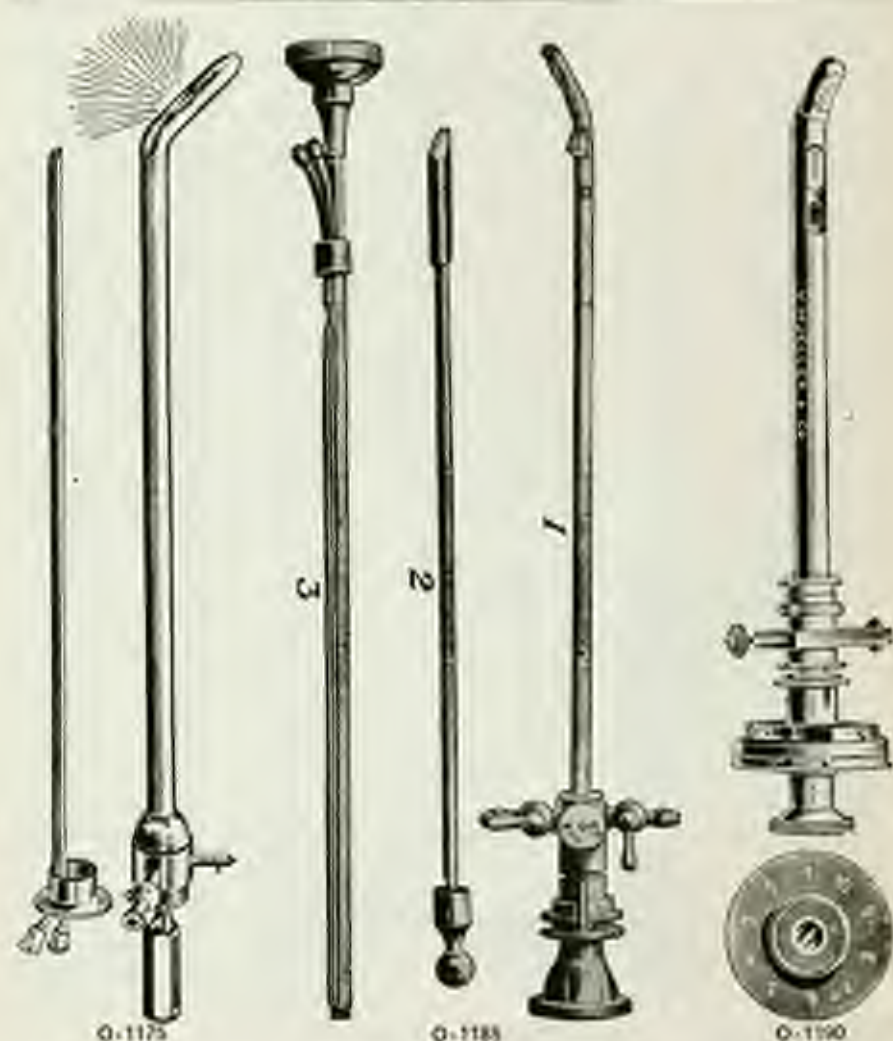
Complete Universal cystoscope in case, set.....\$100.00

In addition to the above outfit, non-catheterizing telescope for direct, forward view, Fig. B, non-catheterizing telescope for indirect, right-angle view, non-catheterizing, can be furnished.

Complete set, including 4 telescopes femoralized, in case, set.....\$125.00

- O-1170 Brassford Lewis' cocaine tablet depositors.....2.00
Write for special circular describing Brassford Lewis' cystoscope in detail and directions for use.

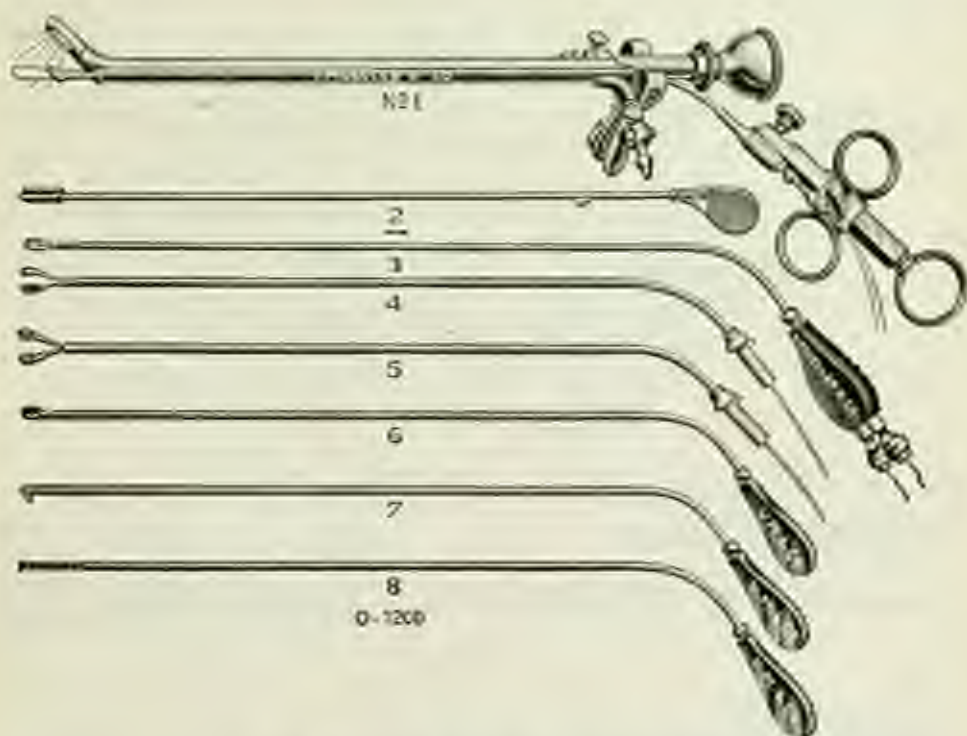
Do not mutilate catalogue.—Specify section letter and number in ordering.



CYSTOSCOPES—Continued

- O-1175 W. F. Branch's double ureter cystoscope.
This is a modification of the Lewis' and Kiser's instruments, but the cannulating guides are removable, which enlarges the lumen for the purpose of inspection. Complete with extra lamp, but without catheters. \$28 00
In leather carrying case with two ureter catheters and dilating bulb. 28 00
- O-1180 Kiser's (not illustrated) double cannulating cystoscope, with extra lamp, obturator and ocular window. 28 00
- O-1180A Periscope, (not illustrated) for Kiser's cystoscope. 12 00
- O-1185 W. Ayres' cystoscope, with sheath, obturator, double cannulating telescope by the direct method, and telescope for indirect and retrograde observation. Complete with extra lamp, conducting cord and two catheters, in case. 30 00
- O-1190 Photographic cystoscope, suggested by Dr. A. Freudentberg.
This instrument possesses many advantages over others devised for this purpose, one of them is the presence of two lamps, which intensify the light and do away with shadows cast from one side. Complete with two electric lamps, cords and one down tube, in case. 25 00

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SESS-MUELLER OPERATING CYSTOSCOPE

O 1200 The Sess-Mueller operating cystoscope here shown, offers many new and improved features in an operating cystoscope, in as much as the simplicity in operation is equaled by any other similar instrument, and the caliber of the sheath is under the average size. By means of an ingenious split packing, the operating instruments may be introduced and freely moved without leakage of air or water, which are used in distending the bladder. The packing may be instantly released by pulling together the two small levers, protruding from the underside of the cystoscope. Each instrument is provided with two stopcocks for water or air. To facilitate the introduction of the instrument the operating tube below the lens system is provided with an obturator.

The lenses used are of the best and in short this combines for the first time a thoroughly satisfactory operating cystoscope, of practical size and moderate price.

Illustrations show:

- No. 1 Sess-Mueller cystoscope with wire inside in position.
- No. 2 Occluder.
- No. 3 Rhombus cavity burner.
- No. 4 Grasping forceps.
- No. 5 Cutting forceps.
- No. 6 Cautery.
- No. 7 Hook knife.
- No. 8 Applicator.

The lamps used in this cystoscope have a Tuxton filament and consequently produce practically no heat.

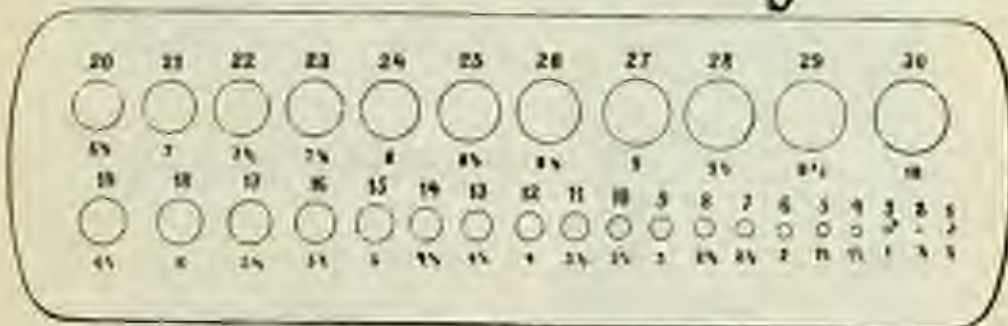
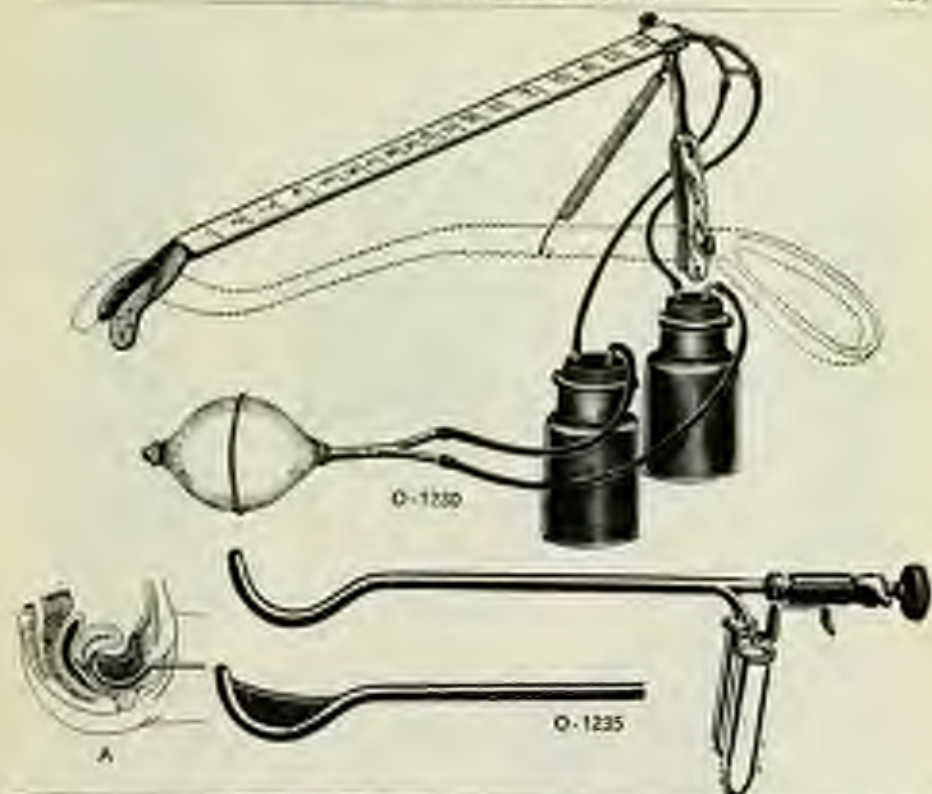
Complete with all the instruments illustrated, condenser cord and extra lamp.

- | | |
|---|-------|
| O 1204 Branford Lewis' operating cystoscope, (not illustrated) with extra lamp..... | 15 00 |
| O 1205 Branford Lewis' set of operating instruments, (not illustrated)..... | 20 00 |



- O-1205 Kallischer's wire snare apparatus, for use through the Bismarck cystoscope..... \$7.50
- O-1210 Bismarck-Meeker extension forceps, for use through cystoscopes of the Bismarck, Lewis, Krassich or Blumer type, as well as through urethrosopes, with two grasping and one cutting tip..... 3.50
- O-1220 Kresser's wire snare apparatus for removing small tumors in the bladder. The instrument can be used through the rubber channel of cystoscopes of the Nitze type or other models which possess the Albertson lever as shown in the illustration..... 20.00
- O-1225 V. Hum's set of instruments for endometrial operation, in connection with the Bronner, Nitze, Bismarck-Lewis, etc., cystoscopes. Complete with handle, two spiral tubes with grasping and cutting forceps, one snare drum with three spiral snare tubes, one bunch of aluminum bronze wire, one pair of pliers, in case..... 5.50
- Fig. 3, 7 and 8 indicate how the snare should be threaded..... 27.00

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O-1240



O-1245

URINE SEGREGATORS, ETC.

- O-1230 Harvey's urine segregator, complete with all necessary attachments, in case..... \$25.00
 O-1235 Ley's urine segregator, complete with six glass tubes, in fine metal case, which is used as a sizer for the instrument..... 40.00
 O-1235A Illustration showing method of introduction of Ley's segregator..... 2.00
 O-1240 Catheter scale made of metal, silver plated French..... 2.00
 O-1245 Comparative catheter scale made of cardboard, free of charge.
 O-1246 Wooden catheter applications, for use through urethrotomies, cystoscopes, etc., per thousand..... 1.00

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O-1264



O-1265



O-1266



O-1265

CURRENT CONTROLLERS AND ILLUMINATING BATTERIES

- O-1264 Victor socket current controller, including 50-watt glass resistance lamp, 50v 100 volt down to 33-volt current \$9.50
- O-1265 Wappler socket current controller, with 50-watt glass resistance lamp, 50v 100 volt down to 33-volt current \$5.00
- O-1266 Victor socket current controller. This controller offers a unique combination for illuminating examination lamps of all kinds, and when used on the direct current, will also deliver a galvanic current, and on alternating current a rapid sinusoidal current. This apparatus can be used both on the 110 and the 220 volt current. Size slightly larger 20.00
- O-1265 V. Mueller's portable illuminating battery

Users of illuminating instruments have long recognized the fact that it is not always practicable to use the street current for the operation of instruments used in illuminating studies.

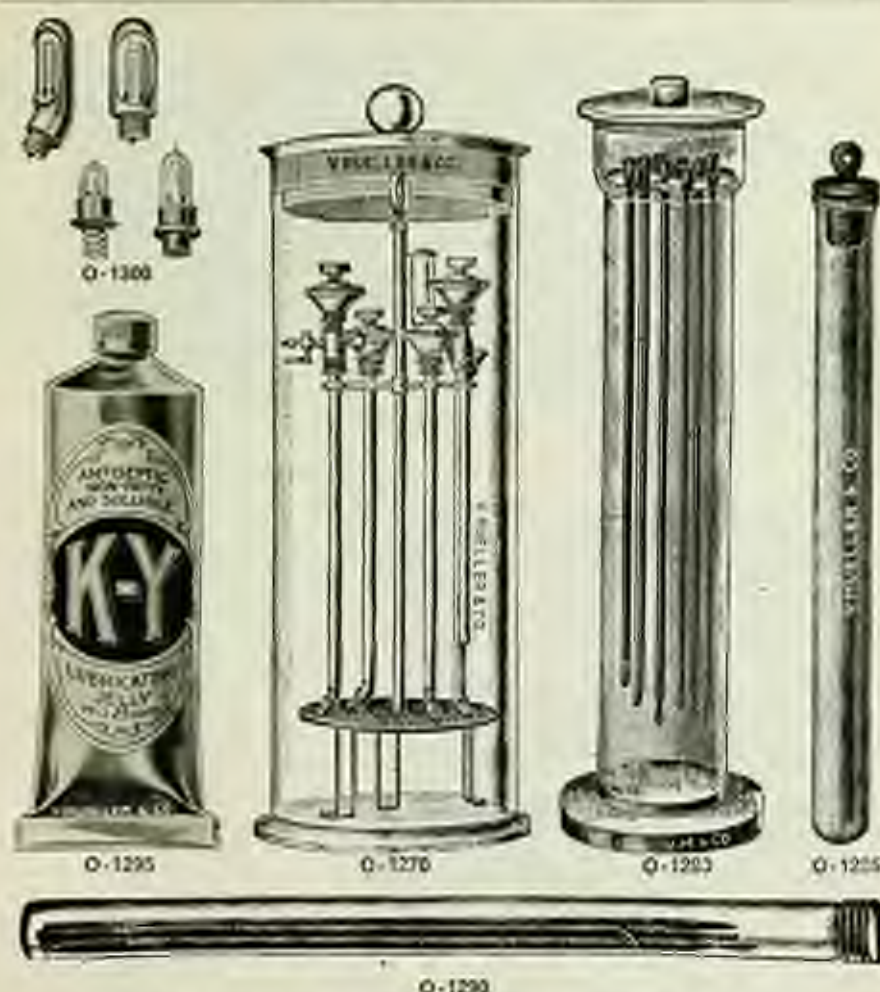
This outfit consists of two separate regulating chestnuts which may be used independently for the smaller sizes of lamps, or used together for larger lamps, thus giving a range greater than has ever been furnished with a portable battery, and at once an outfit which is entirely free from any possibility of the poisoning of the current.

The mechanical parts are all extremely well made, the switch levers being provided with a spring pin-point contact, thus preventing the possibility of current failing to pass due to poor contact at the switches.

Four No. 6 Standard Dry cells are used, so that these can always be secured locally.

The battery is contained in a strong light-colored, quarter-sized oak case, Victor, without seeds. Set..... \$25.00

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CYSTOSCOPE AND CATHETER CONTAINERS, ETC.

- O-1270 Glass stand containing a removable metal frame, the diam. of which are perforated to accommodate from four to six cystoscopes and accessories. To the upright is connected a small removable metal cup for the purpose of holding paraform, a material which will keep the instruments in sterile condition. The paraform should be renewed about twice a month. The container has a ground glass stopper and an overlapping metal cover, nickel plated. \$10.00
- O-1290 Glass cylinder for disinfection of catheters by the formaldehyde process. 4.00
- O-1293 Catheter tube with hollow perforated stopper for accommodating formaldehyde tablets to keep catheters sterile. 1.50
- O-1295 Thin catheter tube with metal screw cap. 45
- O-1290 K.T. flashlight jelly for catheters, bougies, etc. Tube. 1.00
- O-1290 Cystoscope lamps. The two upper illustrations represent lamps for cystoscopes of the Nitze-Althaus type. The smaller illustration represents the lamp for the Brewster Lewis, and the last illustration represents the lamp used in the Hinner and Bensch type of cystoscopes. When ordering new lamps, always send in the burnt out lamp; as when this is not possible, carefully state what type of cystoscope, the value and who was the maker of the instrument. We carry lamps in stock for every well known cystoscope, but unless we have the above information, it will be impossible to always fill your order correctly. 1.00
- Price, each \$7.50

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Q-1305

CATHETER TRAYS AND
STERILIZERS

Q-1305 Glass catheter tray with overlapping ground glass cover..... \$2.00



Q-1310

Q-1310 White enamel tray with cover, for sterilization of catheters, bougies and ureters 1.00



Q-1315

Q-1315 Glass catheter tray, without cover 2.00



Q-1320

Q-1320 Catheter tray, divided in compartments, made of porcelain..... 2.75

Q-1325 Catheter tray, made of copper..... 2.50



Q-1325

Q-1325 Janer's apparatus (not illustrated) for disinfection and destruction of catheters. In the bottom is a metal tray for formaldehyde tablets and calcium chloride... 3.50



Q-1335

Q-1335 Sterilizing vessel for catheters and bougies, consisting of a white enamel tray with cover, stand and alcohol burners..... 4.00



FORMALDEHYDE STERILIZERS

C-1340

O1340 The most formaldehyde sterilizer for the rapid and complete sterilization of instruments, catheters, cystoscopes, ureterscopes, etc. The sterilizer is 10 inches long, 4 inches wide and 10 inches deep, will admit of sterilizing forceps as well as smaller instruments, and can be easily carried by the handle on the cover. The lid or cover has a hinged flap with three latches placed opposite so that pressure of the lid is equally distributed over the contents, thus making the sterilizer air tight.



C-1345

The lamp has a separate compartment outside of the sterilizing chamber so that it can be seen, fired, lighted or extinguished, without disturbing the instruments or raising the cover. The small cup which rests in the socket at the end of the sterilizer contains the formalin powder and is placed at the exact distance from the time to insure proper combustion. The apparatus is made ready for use instantly, as injury will result in the longer or shorter of even the hard steel instruments.

In sterilizing it is best to wrap the instruments in gauze, or to place a layer of gauze over them. No steam or hot air being applied, goods that would be injured by them, such as catheters, bougies, hard and soft rubber goods, etc., can be safely and effectively sterilized.

Price per

Size long size to hold Barker forceps, etc. \$5.00

O1345 Small formaldehyde sterilizer, as illustrated here represents the sterilizer open, and shows the 1.5 cm. catheter, with one catheter in position. Also shows formaldehyde chamber in which a formalin or formaldehyde tablet is placed, and adjacent alcohol lamp. Operation extremely simple. Results positively effective. Heat of alcohol flame warms chamber containing formalin tablet forces combustion of same into gas which can only escape through catheter coils, into, through and around catheters.

This sterilizer is made particularly for catheters, cystoscopes and ureterscopes, as well as for all other electrically lighted instruments or rubber appliances. It takes only 5 minutes to sterilize five catheters, and is also well adapted to be used as a steam or hot water sterilizer. Made in two sizes, regular. \$10.00

Large size

Large size \$15.00

Do not mistake catalogues.—Specify section letter and number in ordering.



Fig. 1



Fig. 2



Fig. 3



Fig. 4

O-1350

METROPOLITAN EXAMINING AND OPERATING TABLE

O-1350 This table will appeal strongly to the diagnostician, specialist or assistant of the short seat and high back as shown in our illustration Fig. 1 which can be so adjusted as to keep the patient well forward on the table. For this work we furnish either the Herloff knee crutches as shown in Fig. 2, or Dr. J. H. Hayden's inverted stirrups as shown in Fig. 3. Many specialists prefer the inverted stirrups to the knee crutches believing that they cause less discomfort to the patient.

For plastic work the table can be placed either in the horizontal position, or slightly lowered at the end as shown in Fig. 4.

Fig. 2 shows the table adjusted to the Mayo position, for operations on the hip and gall bladder. Fig. 4 shows a position facilitating operations for polyp of the proper elevation of the shoulders, the head being thrown back at any angle which may be desired by the surgeon to admit of easy access to the operative field.

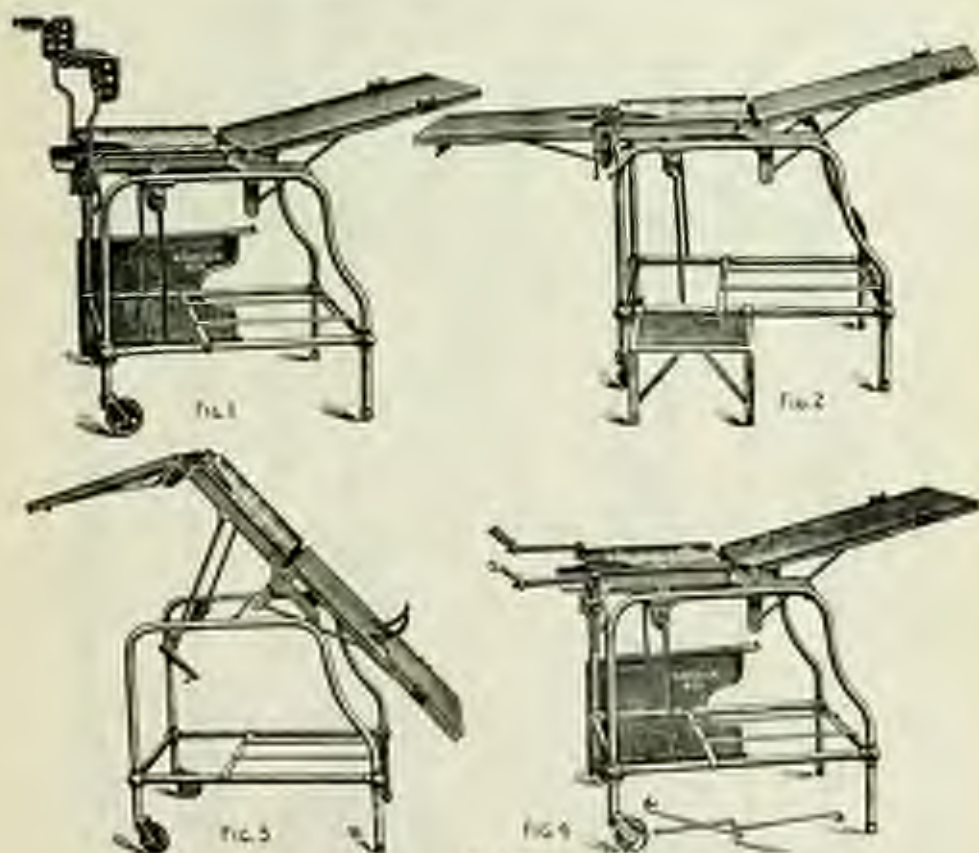
This table is also arranged to facilitate elevating the patient to the Trendelenburg position, and a pair of adjustable shoulder braces are provided for this purpose.

Complete with expanded steel top, nickel plated adjustable leg holders, foot stirrups and shoulder rests \$125.00
 With Model gicket top 25.00
 Knee crutches, Dr. Herloff's model, additional per pair 15.00
 Gicket attachment, Dr. Brown's, each 20.00
 Inverted stirrups, Dr. Hayden's, per pair 5.00
 Robert's screen 2.00



Fig. 5

For other examining chairs and tables see section 7.



G-1355

GENERAL EXAMINING AND OPERATING TABLE

G-1355 J. H. Hayden's modification of Van der Poot's examining and operating table. This table is well adapted for gastro-urinary work as will be seen from the different positions illustrated here. The frame is made of tubular wrought iron with counter-weight to avoid tipping; the top has a large 1" roll out of two sections and is fitted with a sliding drain pan which may be drawn out to extend under the feet and affording perfect drainage. The three sections may be adjusted to any desired position and the top can be elevated to the Trendelenburg position by means of a simple mechanical device. The top has a 5-8 in. thick plate glass in the center and heavy steel at the head and foot end. The center section is furnished for abdominal drainage and has a 1" roll out to facilitate cystoscopic and vaginal work.

FIG. 1 showing knee crutches with drain pan extended.

FIG. 2 Hayden's position for cystoscopy.

FIG. 3 showing the Trendelenburg position with shoulder supports.

FIG. 4 showing the feet end detached; also the stirrups.

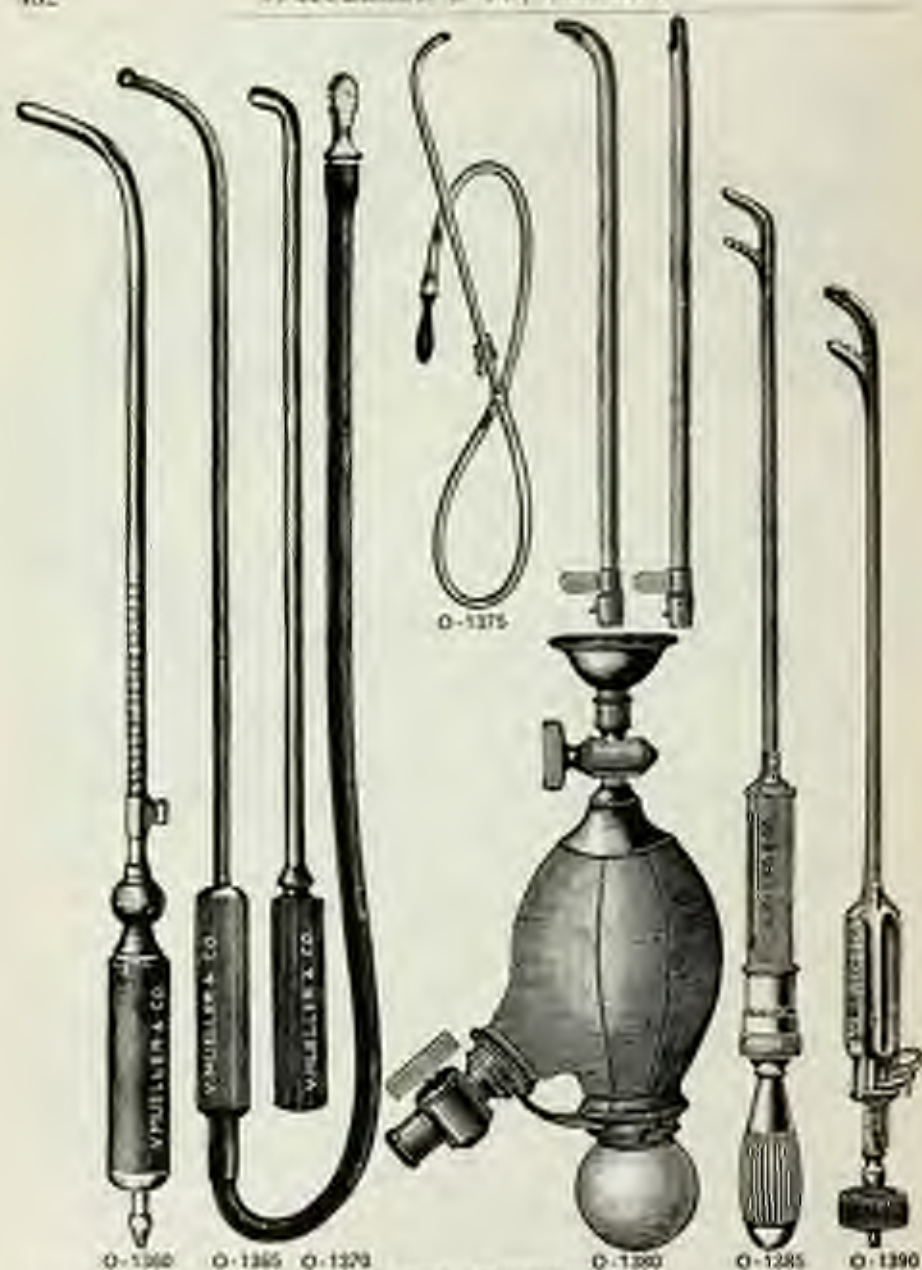
Dimensions of top 22 inches wide, 12 inches long, height 10 inches. Mounted on two 4 inch rubber tired wheels and two rubber casters.

Price with both stirrups, delivery staffs with straps, step and slide table for instruments..... \$20.00

Knee crutches, additional..... \$2.00

For other examining chairs and tables see section T.

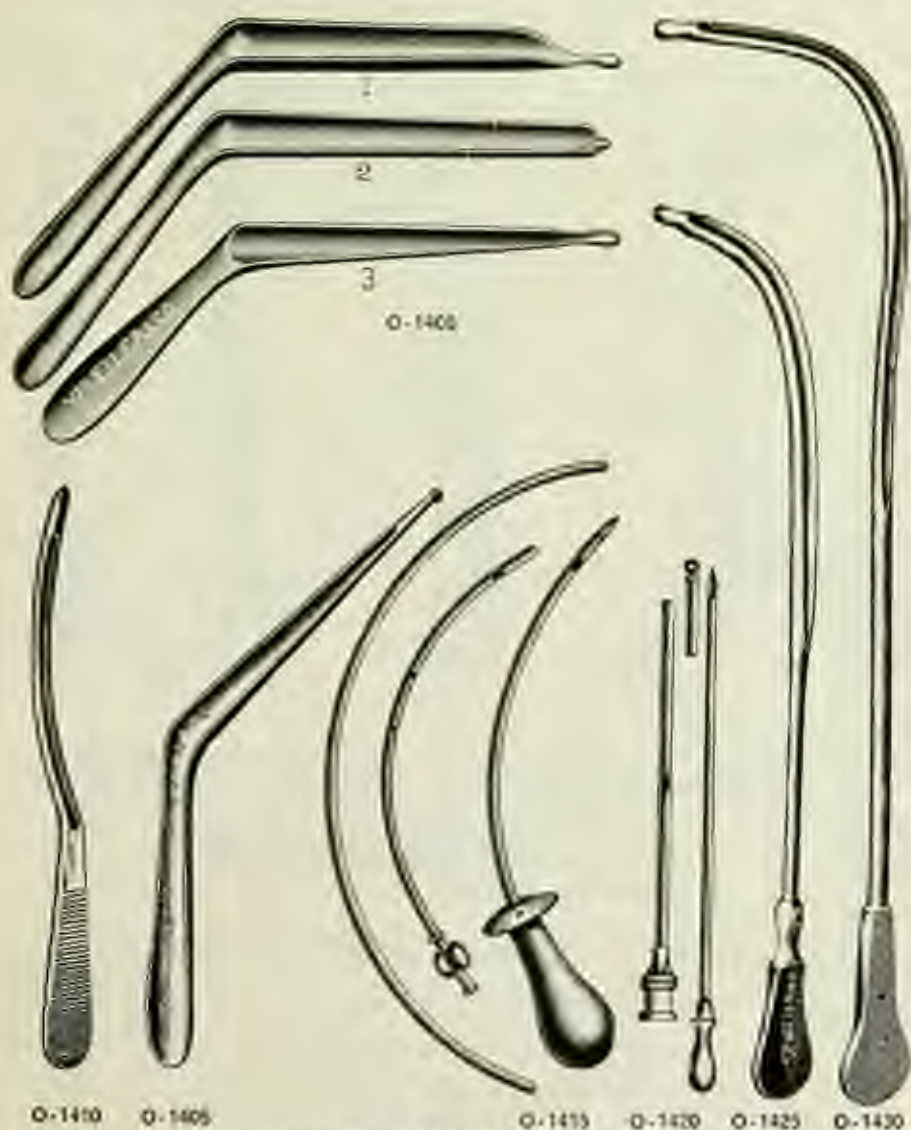
Do not mutilate catalogue.—Specify section letter and number in ordering.



LITHOTOMY INSTRUMENTS

O-1360	Thompson's stone searcher.....	\$1.25
O-1365	Fraser's stone searcher with spongy conductor.....	3.00
O-1370	Kepes' stone searcher.....	3.75
O-1375	Andrews' stone searcher with ear piece.....	1.25
O-1380	Ingelow's latest model aspirator, with two catheters, in case.....	20.00
O-1385	Ingelow's lithotrite.....	20.00
O-1390	Kalisher's lithotrite, latest model.....	21.00

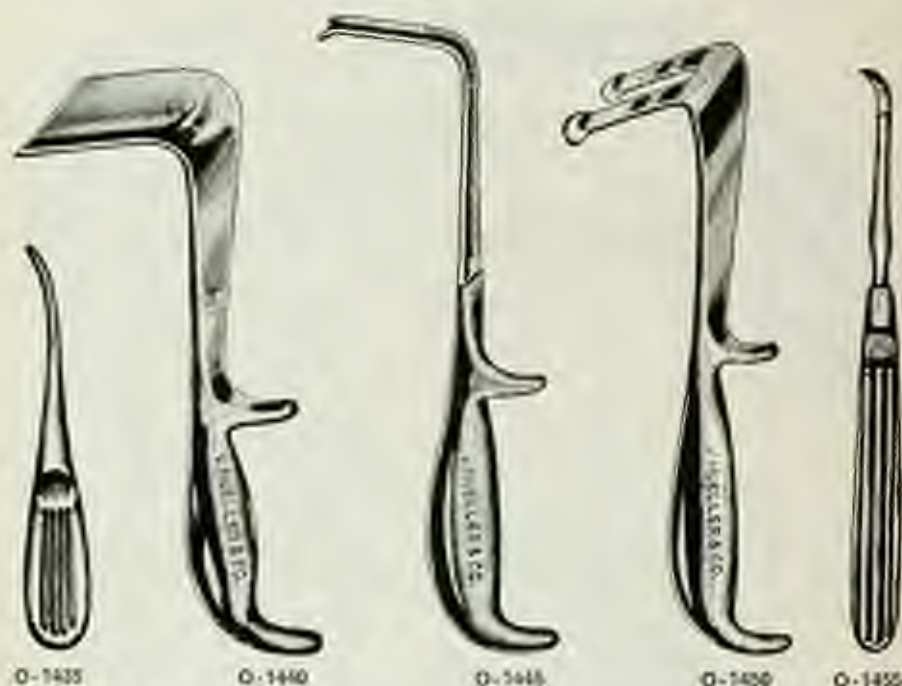
Do not mutilate catalogue.—Specify section letter and number in ordering.



LITHOTOMY INSTRUMENTS, ETC.

O-1400	Fig. 1 Thompson's gonget	\$1.25
	Fig. 2 Otto's gonget	1.50
	Fig. 3 Kretsch's gonget, illustration shows actual size	1.50
O-1410	Keyer's grooved director	1.25
O-1405	Teale's gonget, probe pointed	1.50
O-1415	McGregor's vesical tractor	2.00
O-1420	Delbeid's vesical tractor	2.00
O-1425	Mason's grooved staff	1.25
O-1430	Little's lithotomy staff	1.75

Do not mutilate catalogues.—Specify section letter and number in ordering.



O-1433

O-1440

O-1445

O-1450

O-1455



O-1460

PROSTATIC INSTRUMENTS, ETC.

O-1433	Young's retractor	.....	\$1.00
O-1440	Young's retractor, large, 1-2 1/2 in. wide	.....	4.00
O-1445	Young's retractor, small, 1/2 in. wide	.....	1.00
O-1450	Young's retractor, side	.....	4.00
O-1455	Allen's knife for opening capsule	.....	1.00
O-1460	Ferguson's prostatic cutting forceps, straight	.....	6.00
O-1465	Young's tractor	.....	1.00
O-1470	Hastie's new tractor	.....	7.00

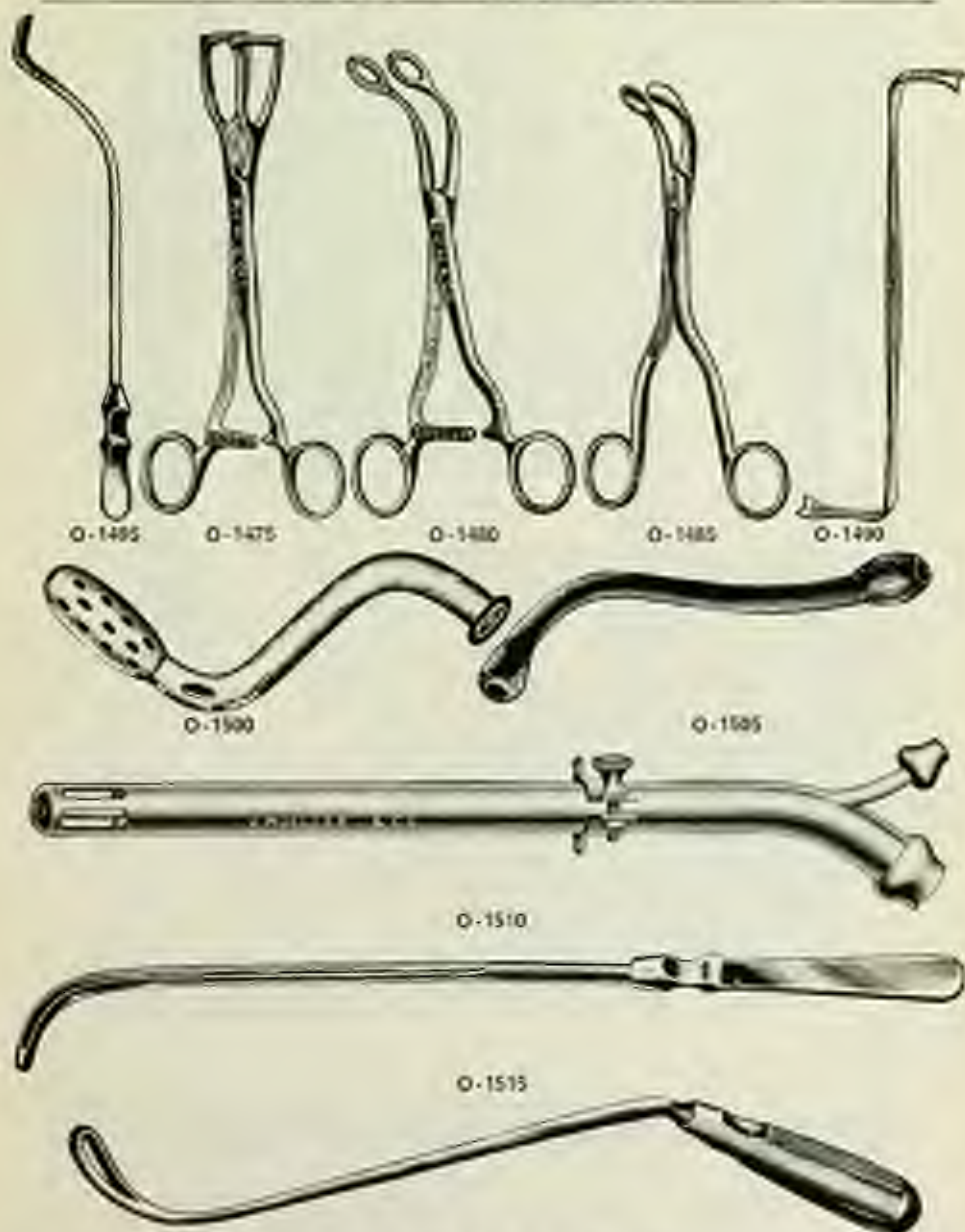
This instrument is made for the purpose of removing the prostate without opening the bladder. It is passed into the bladder and the prostate is dissected off from the neck with the instrument as a guide. The prostate is forced into the wound by traction upon the instrument by the assistant. This operation permits immediate closure of the perineal wound. (See Surgery Gynecology and Obstetrics, Dec. 1903, Page 92.)



O-1465



O-1470



Q-1520
PROSTATIC INSTRUMENTS, ETC.

Q-1475	Young's tube forceps, made in two sizes, each.....	\$1.00	Q-1505	Percussion's supra-pubic drainage tube.....	\$4.25
Q-1480	Quinlan's tearing forceps.....	4.50	Q-1510	Hazeman's drainage tube for use Hansen's ligatures and drainage, heavily silver plated, each.....	1.50
Q-1485	Percussion's retracting forceps, curved.....	4.50	Q-1515	Percussion's grooved staff, made 18, 20 and 22 Fr. each.....	1.50
Q-1490	Percussion's retractor, double.....	1.75	Q-1520	Percussion's depressor.....	1.50
Q-1495	Gallien's depressor.....	2.25			
Q-1500	Hansen's supra-pubic drainage tube, stocking silver.....	3.00			



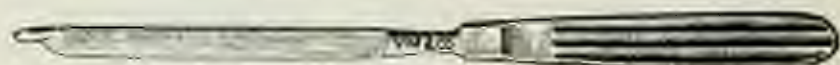
O-1525

O-1540

O-1535

O-1545

O-1520



O-1555



O-1556

LITHOTOMY INSTRUMENTS

O-1525	Little's lithotomy forceps, curved.....	32
O-1535	Little's lithotomy forceps, straight.....	32
O-1540	Tenax's lateralized lithotomy forceps.....	32
O-1545	Tenax's lateralized lithotomy forceps.....	32
O-1520	Older's lithotomy forceps.....	32
O-1555	Krieger's lithotomy knife.....	32
O-1556	Hinsley's lithotomy knife.....	32

Do not mutilate catalogue.—Specify section letter and number in ordering.

CAUTERIZING
APPARATUS

O-1543 Paquet's thermocautery. This cautery is more convenient and satisfactory than any other yet introduced to the profession. It permits of the generation of permanent and controllable heat, with but slight loss through radiation. It is very carefully made and if properly used is given to the surgeon while in use, it will be ready at all times for operation. Complete with two points and patient metal reservoir set up in neat Morocco case. \$25.00

**O-1543**

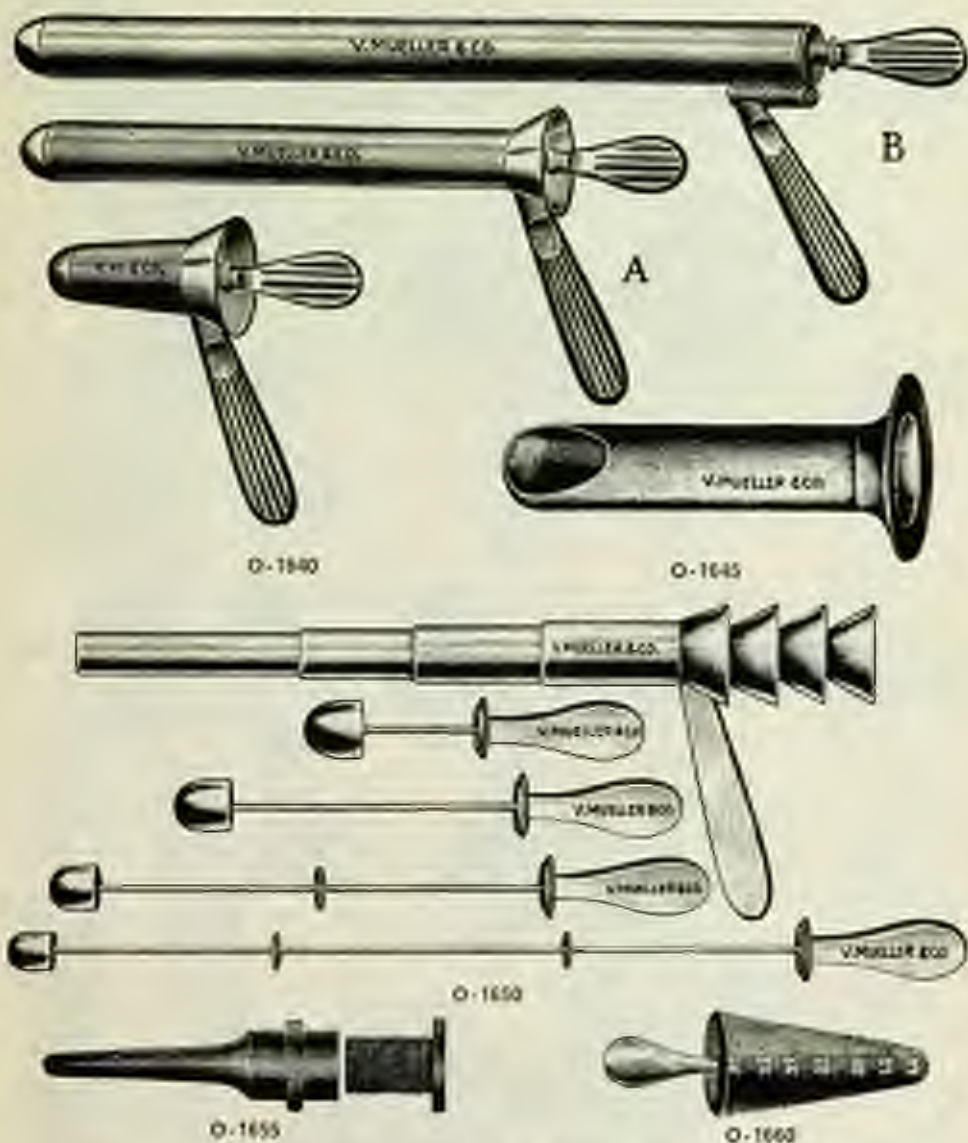
O-1545 Paquet's thermocautery, pocket style, with two platinum points, No. 20 taper and No. 25 flat end, improved handle reservoir lighting attachment, double bulb, also container for heating.

This is a very desirable apparatus for use where the doctor has to operate in the patient's home, away from the operating room. It can be packed in the emergency bag without taking up much space. It is

owing to the continuous fluctuation of the price in platinum, the prevailing market price will be changed for these apparatus.

**O-1545****O-1570****O-1575**

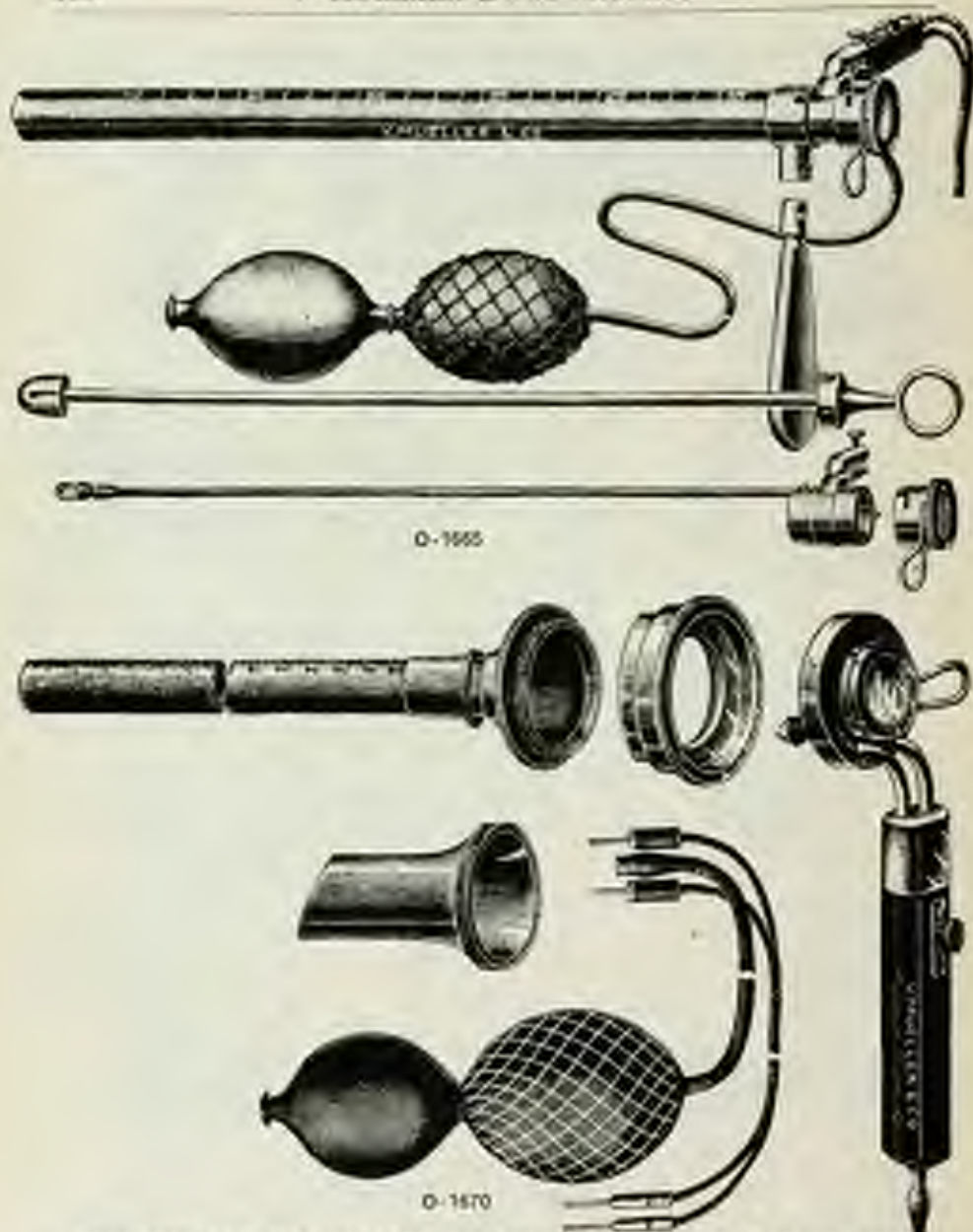
O-1573 Oschner's cautery iron with wood on handle and copper end, each. \$5.25
O-1575 V. M. & Co.'s gun stone for heating Oschner's cautery iron. \$2.50



PROCTOSCOPES, PILE PIPES, ETC.

O-1640 Kelly's short proctoscope, or ipkilectroscope	17 00
O-1645 Kelly's long proctoscope, &c.	2 50
O-1646 Kelly's sigmoidoscope, 17 in. long	2 50
O-1647 Ferguson's rectal speculum, 17 in. long, made in three sizes, bucket shaped, with	1 50
O-1648 Murphy's set of 3 proctoscopes and sigmoidoscopes, telescoping, with ablaters,	1 50
set	50
O-1649 Hard rubber pile pipe	2 50
O-1650 Kelly's manual sphincter dilator	2 50

Do not mutilate catalogue.—Specify section letter and number in ordering.

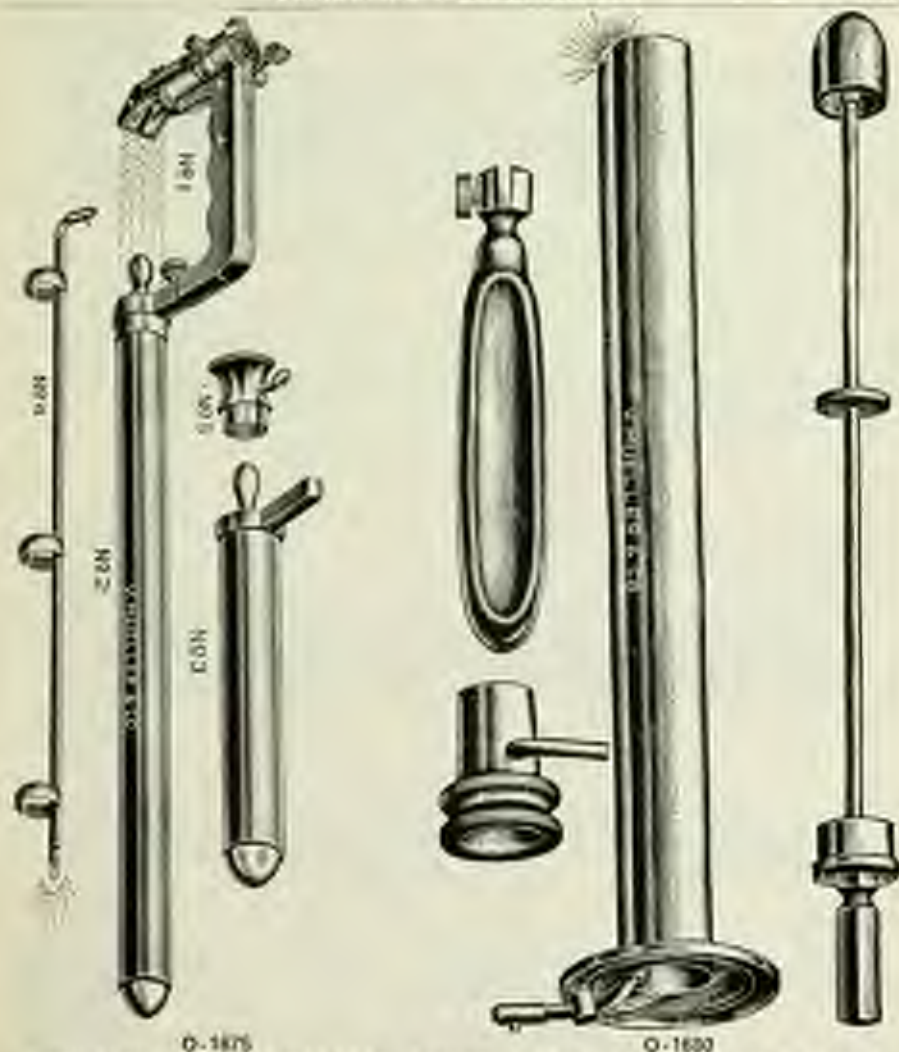


D-1665

D-1670

ELECTRICALLY ILLUMINATED PROCTOSCOPES AND SIGMOIDOSCOPES

- (1102) *Strohn's* proctoscope and sigmoidoscope. This apparatus is universally known in Europe, and of late has been in great demand in this country. The apparatus consists of five parts, a graduated tube, detachable handle, cilium attachment with light carrier, observation window and distal bulb.
- (1103) As described with tube 11 cm. long by 26 mm. diameter..... \$17.50
- (1104) With tube 9 cm. long by 26 mm. diameter, or 15 cm. long by 26 mm. 19.00
- (1105) *J. Esch's* (Vienna) Colposcope. For the illumination and inflation of the vagina and lower portion of the cervix, consisting of illuminating apparatus with retracting lamp, conducting cable, removable window, three tubes, 18, 22 and 26 cm. long. Also four different sized tubes for the vagina.
- Complete 55.00

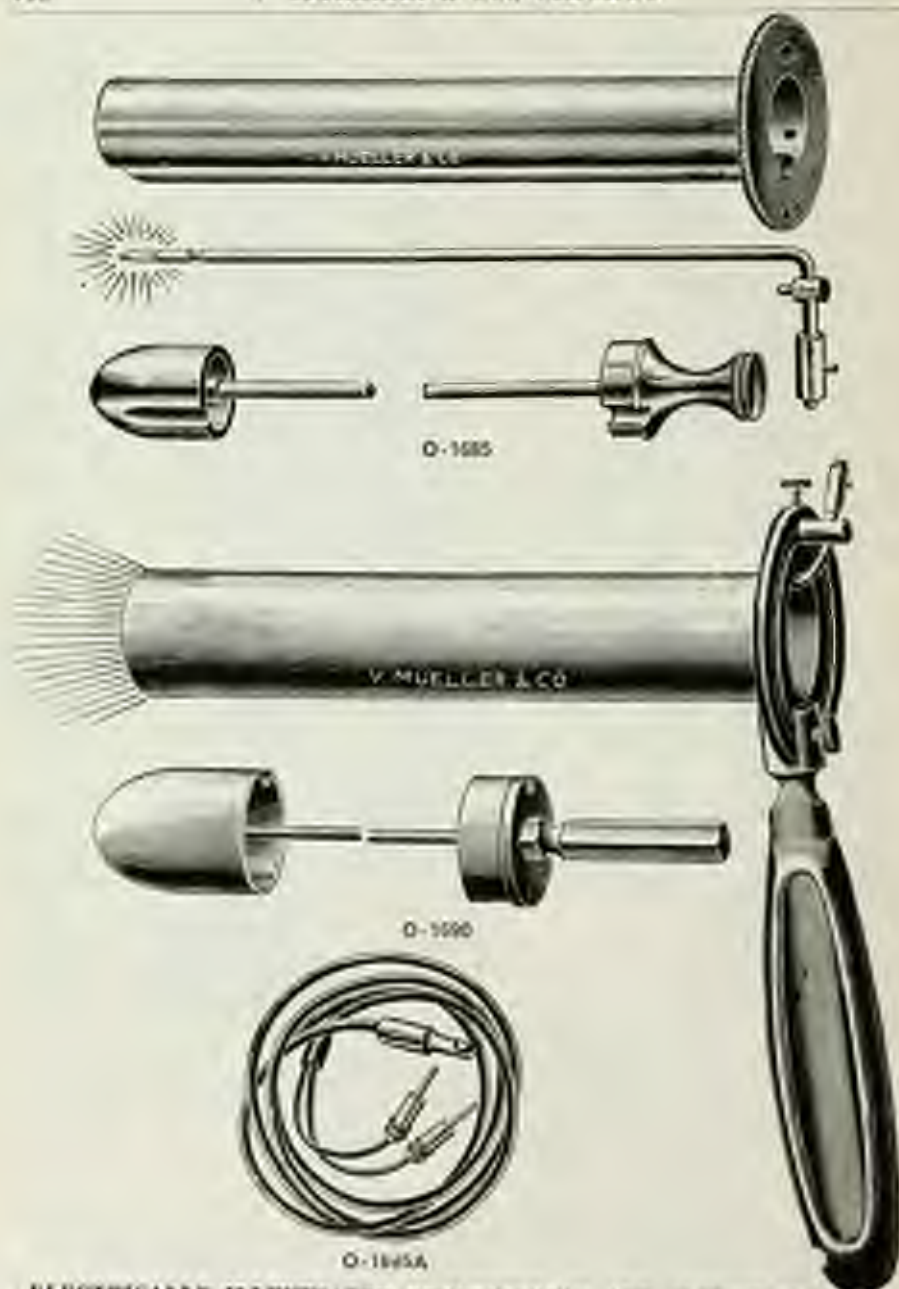


ELECTRICALLY ILLUMINATED PROCTOSCOPES AND SIGMOIDOSCOPES

O-1675 J. R. Murphy's pneumatic proctoscope and sigmoidoscope. The complete apparatus, as illustrated, consists of the following:

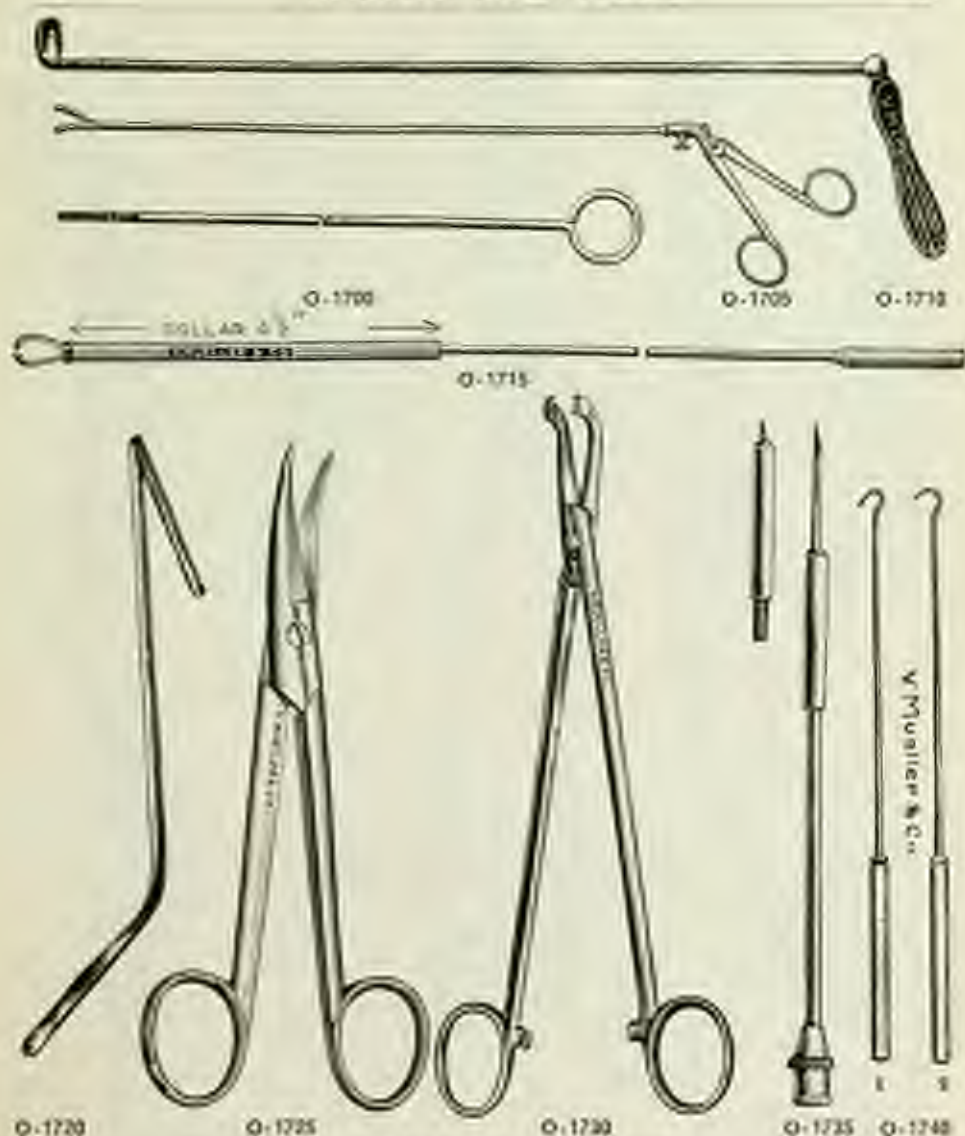
- Fig. 1. Illuminating Murphy electrocope.
- Fig. 2. Sigmoidoscope with atmosphere, length 22 cm.
- Fig. 3. Proctoscope with obturator, length 15 cm.
- Fig. 4. Light carrier.
- Fig. 5. Detailing window, and connecting rods for the electrocope Fig. 1 is so made that current is not grounded to any of the metal parts, therefore accidental shock to operator or patient is impossible. The light from this lamp is thrown through a telescoping condensing lens upon a mirror reflector, thus directed in parallel rays to the part under observation. A slot in the reflector allows a direct line of vision and the introduction of operating instruments. The angle of the reflector is adjustable, and as a convenient point a switch is provided for turning the light on and off.

O-1675	Complete with pneumatic proctoscope and sigmoidoscope.....	\$25.00
O-1676	Without Illuminating Murphy electrocope, but with plain handle, as illustrated, light carrier and all other parts described.....	30.00
O-300	Tuillier's pneumatic proctosigmoidoscope, consisting of tube, atmosphere, window, light carrier, with extra lamp, detachable handle and fitting bulb. Quilt with tube 4 inches long.....	11.00
	With tube 30 inches long.....	15.00



ELECTRICALLY ILLUMINATED PROCTOSCOPES AND SIGMOIDOSCOPES

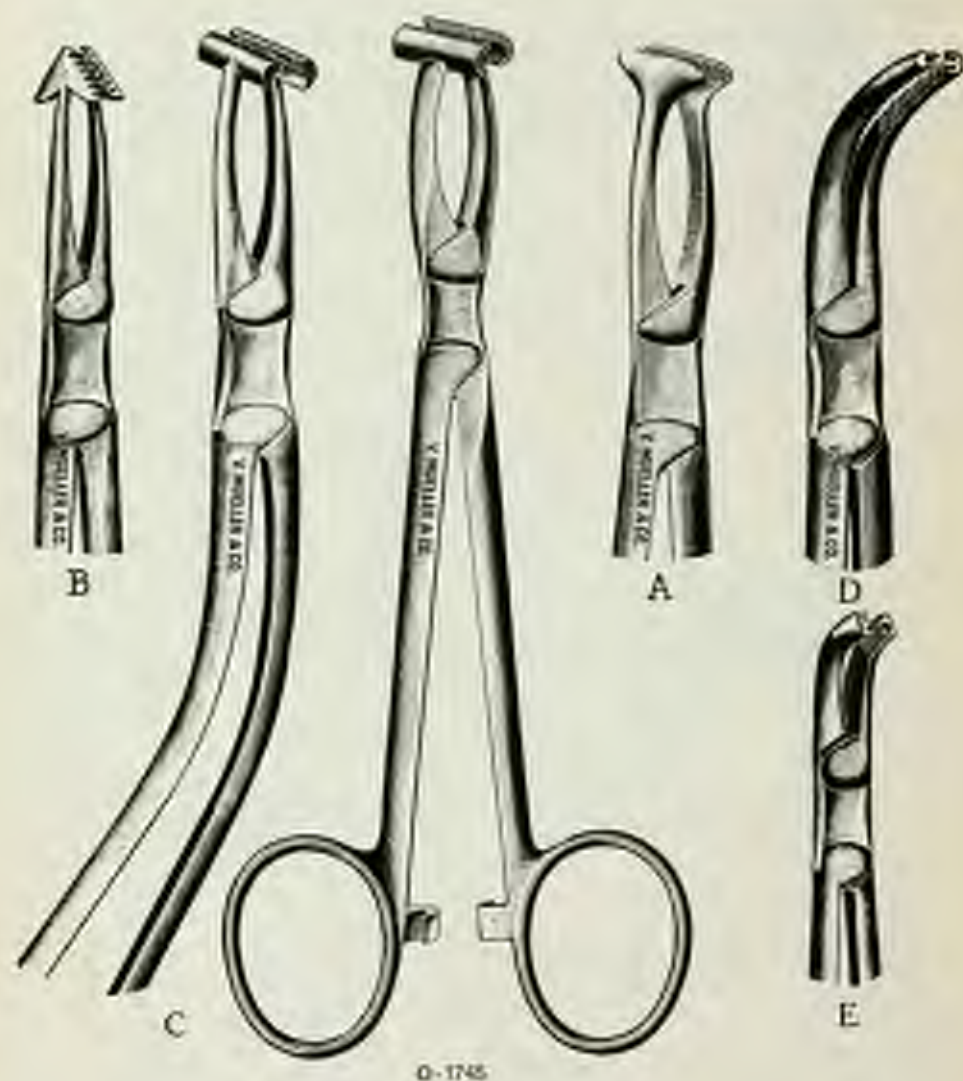
- O-1585 E. S. J. Co.'s proctoscope, with accessories, light carrier and extra lamp. This apparatus is made in two lengths, 15 or 30 cm. long. 25 25
- O-1590 Little's operating proctoscope. This proctoscope is 25 mm. in diameter and 15 cm. long. Complete with extender, light carrier with extra lamp and interchangeable handle. 22 00
- O-1590 "Sigmoid" short proctoscope, length 12 cm. For description see Fig. O-1590. 27 50
- O-1595A E. S. J. Co.'s rubber covered conducting cords. 3 50



RECTAL OPERATING INSTRUMENTS

Q-1700	Sponge holder for use through proctoscope.....	\$1.25
Q-1705	Little's universal alligator forceps, for use through proctoscopes and sigmoidoscopes, can be furnished with cutting or grasping jaws.....	2.50
Q-1712	Kelly's rectal snare.....	2.50
Q-1715	Jackson's sponge holder, latest model, with long threaded collar which prevents the sponge from being lost, and on account of its length it cannot be caught at the edge of the tube.....	12.50
Q-1720	Murray-Gent's grooved dissector.....	4.00
Q-1725	Murray's rectal dissecting scissors.....	3.00
Q-1730	Pratt's laminae forceps, curved as directed by Jackson.....	3.00
Q-1735	Hammorhold's needle.....	1.00
Q-1740	Pratt's rectal tenacula, two patterns, sharp and blunt, each.....	1.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



RECTAL OPERATING FORCEPS

Q-1744	Pratt-Smith's T shaped forceps, 2½ in.	\$1.25
Q-1744A	Pratt's T shaped forceps, 2½ in.	1.25
Q-1744B	Pratt's V shaped forceps, 3 in.	1.25
Q-1744C	Pratt's T shaped forceps, curved slender, 3 in.	1.25
Q-1744D	Pratt's T shaped forceps, curved so that, 3½ in.	1.50
Q-1744E	Pratt's short curved tissue forceps, 2½ in.	1.50

The forceps above described can be furnished with locks as illustrated, or with simple side lock, at the same price.

Do not mutilate catalogue.—Specify section letter and number in ordering.



O-1750



O-1755



O-1760



O-1775

PILE CLAMPS

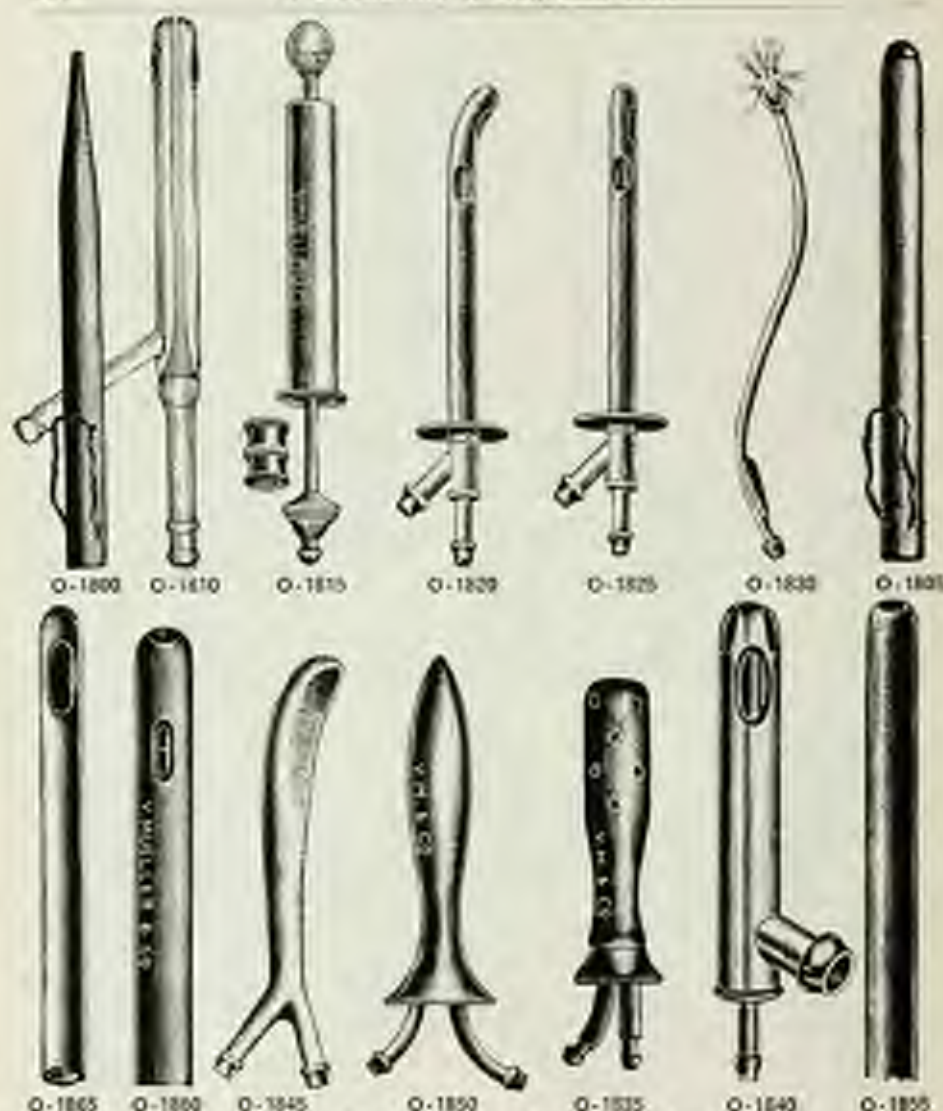
O-1750	Murray's pile clamp, parallel pressure	\$1.50
O-1755	Cook's pile clamp	2.00
O-1760	Kelley's pile clamp	2.50
O-1765	Kelley's pile clamp (not illustrated)	2.75
O-1768	Smith's pile clamp, ivory food	4.50
O-1770	McLean's pile clamp, stitches may be accurately inserted after removal of tissue	2.75
O-1770	Reese's enclastre. This instrument is ingeniously made. It has an automatic self-closing joint and is not only a good pile clamp, but also valuable in operations where extraordinary haemostasis is indicated	15.00



O-1770



O-1780

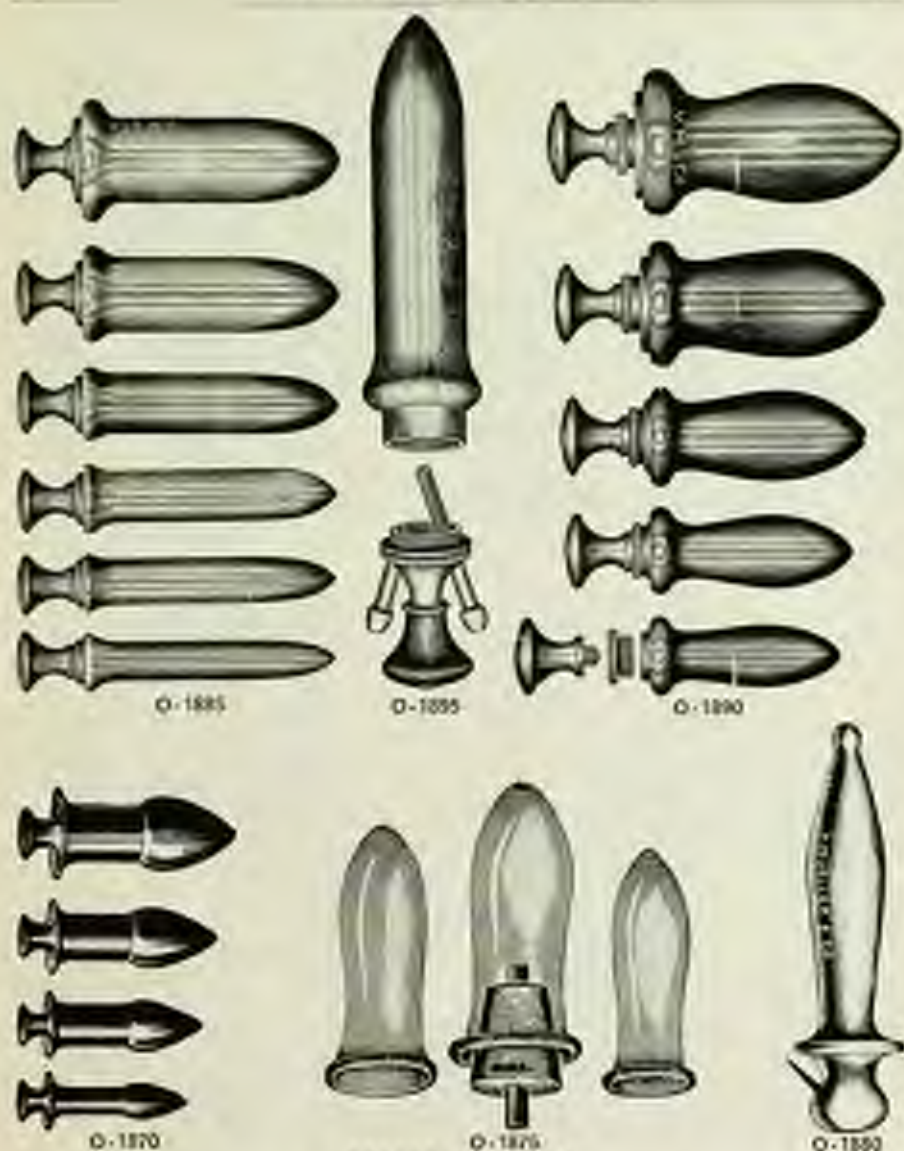


RECTAL TUBES, BOUGIES AND DOUCHES

O-1800	Rectal bougie, conical, linen, six sizes, each.	\$5
O-1801	Rectal bougie, cylindrical, linen, five, each.	\$5
O-1802	Rectal douche, return flow, made of glass.	\$10
O-1803	Swenson's rectal douche.	\$10
O-1804	Gilman's rectal douche, curved.	\$10
O-1805	Gilman's rectal douche, straight.	\$10
O-1806	Cole's sigmoidal douche.	\$10
O-1807	Goldschlager's rectal douche.	\$10
O-1808	Martin's rectal douche.	\$10
O-1809	Kramer's prostatic cooler.	\$10
O-1810	Arnberger's rectal cooler.	\$10
O-1811	Rectal tubes, soft rubber, open end, each, 20 in. \$0.50, 30 in. \$0.75.	\$0.50, \$0.75
O-1812	Rectal tubes, soft rubber, with end and side openings, each, 20 in. \$0.50, 30 in. \$0.75.	\$0.50, \$0.75
O-1813	Rectal tubes, with closed end and side opening, each 20 inches long.	\$0.50, \$0.75

Rectal tubes can be furnished from 20 to 36 in.

Do not mutilate catalogue.—Specify section letter and number in ordering.



RECTAL DILATORS

- O-1885 Young's hard rubber rectal dilator, four in set as illustrated..... \$7.50
 Arranged for flushing, set of four..... 2.50
 O-1886 V. M. & Co.'s rectal dilators, made of glass, large size arranged for flushing, set
 of three..... 1.50
 O-1889 Maier's rectal dilators, made in four sizes, aluminum, per set..... 2.50
 O-1890 Pratt's hollow rectal dilator, nickel plated, made in 4 sizes, each..... 1.50
 O-1891 Pratt's improved self-retaining rectal dilator, hollow, nickel plated, each..... 1.50
 O-1892 Pratt's rectal dilators with in- and out-flow tubes, by means of which a constant
 flow of either hot or cold water can be passed through the dilator, each..... 1.50
 * Dilators Fig. O-1885, O-1886 and O-1890 are made in six sizes, and the dimensions are as
 follows: Smallest size No. 6 1/4 in., No. 1 1/2 in., No. 2 1/4 in., No. 3 1/2 in., No. 4 1 3/4 in.,
 No. 5 2 1/8 in. diameter.

Do not mutilate catalogue.—Specify section letter and number in ordering.



RECTAL INSTRUMENTS AND BOUGIES

O-1500	Bougie, Walz, for dilating rectal strictures, soft rubber, Cusket or olive pointed, sizes 2 and 4, each \$1.25; 6 and 8, each \$1.50; 10 and 12, each \$2.00	\$1.50
O-1505	Illustrating glass of rectal bougies	
O-1506	File supporter, made of hard rubber	.50
O-1506A	File supporter, made of hard rubber	.50
O-1506B	File supporter, hammer shaped	1.00
O-1515	Rectal specula, Harrington's, with irrigating attachment, \$2.25; without irrigating attachment	2.50
O-1520	File clamp, Galt's	1.00
O-1525	File lubricating syringe, Galt's, 1/2 oz.	1.00
O-1530	Introducer, Galt's, for rectal stricture, without clamp	4.00
	Clamp for above bougie, each	1.50

Do not mutilate catalogue.—Specify section letter and number in ordering.

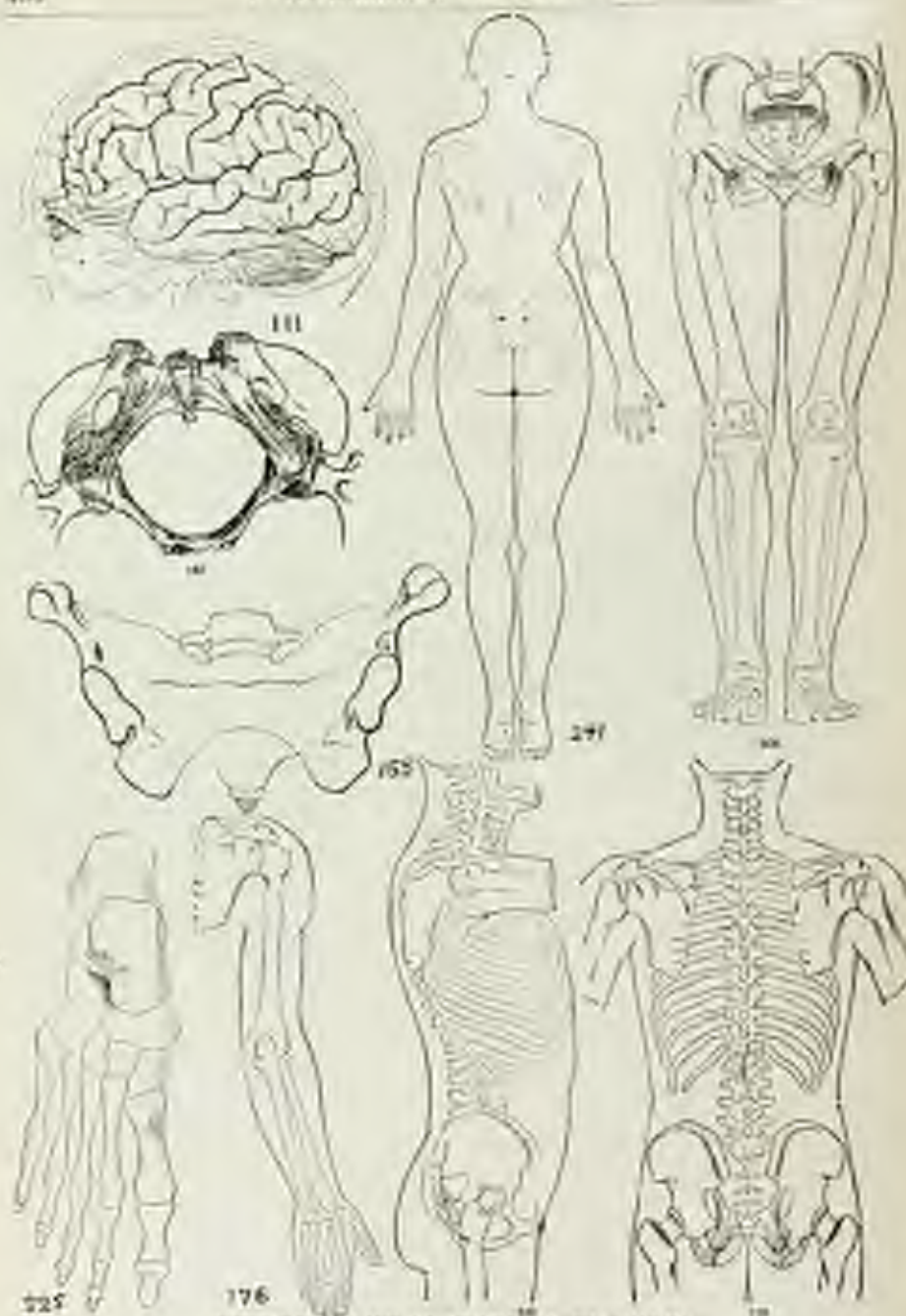
Section "P"

Osteological Preparations	Laboratory Apparatus and
Diagnostic Instruments	Glass Ware
and Apparatus	Microscopes and Microscopic
Dissecting and Post-Mortem	Accessories
Instruments	Apparatus for Cupping
Apparatus for Blood and	and Leeching
Urine Analysis	Syringes for Aspiration and Injection



HUMAN OSTEOLOGY, ETC.

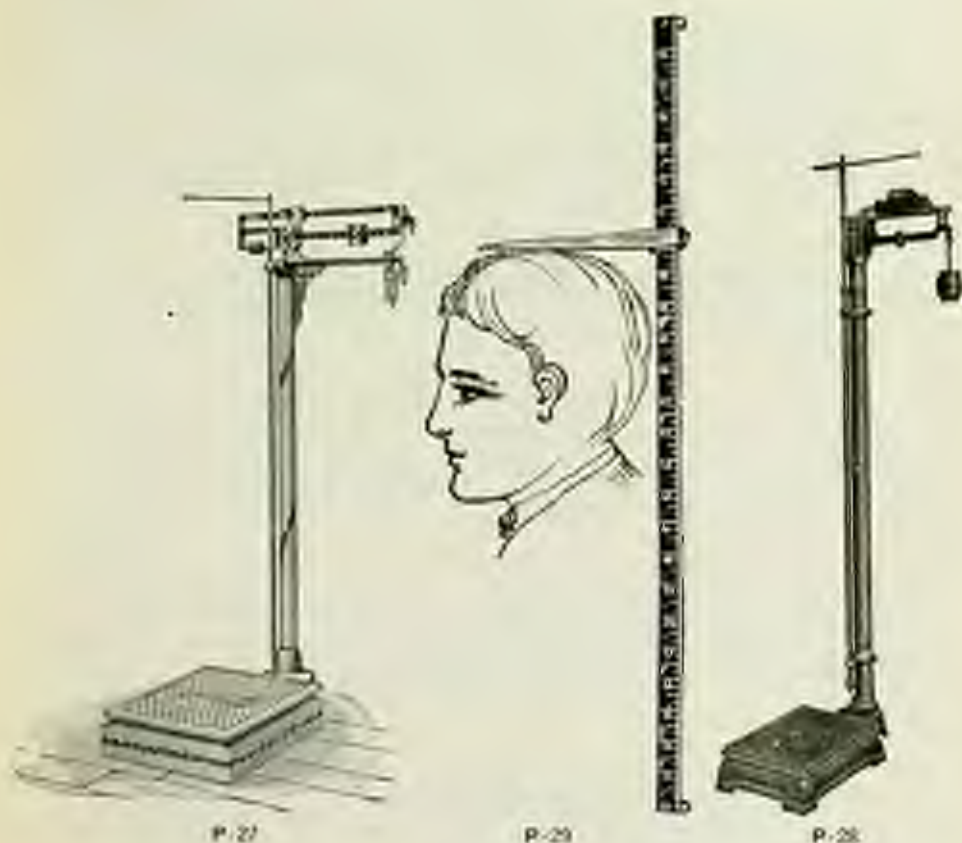
P-1 Skeleton, disarticulated	\$27 00
P-2 Skeleton plate, wire articulation, admits of dis- connection of skull and limbs	20 00
P-3 Skeleton same, choice quality	77 50
P-4 Skull, adult, without ear, lower jaw fastened with spring	12 00
P-5 Skull, adult, 5 sections, showing sinuses, external cranial cavity and nasal fossae	18 00
P-6 Skull, adult, 7 sections, showing sinuses, cranial cavity, nasal fossae, etc. The temporal bones can be removed and are directed to disclose the structure of the inner ear	26 00
P-7 Skull, disarticulated in box with compartment tray	13 50
P-8 Skull, choice quality, in box with compartment tray	16 00
P-9 Spinal column, articulated	12 50
P-10 Temporal bone, dissected through mastoid cells, exposing ossicles tympanum, etc.	5 00
P-11 Pelvis, female, without ligaments	8 00
P-12 Pelvis female, with artificial ligaments	12 00
P-13 Arm and hand, articulated, scapula, humerus, radius, ulna, carpus, metacarpus, phalanges	5 00
P-14 Hand, articulated	2 00
P-15 Leg and foot, articulated, femur, tibia, fibula, tar- sus, metatarsus, phalanges	5 00
P-16 Special dissections of the musculature of any re- gion of the body. Dried and prepared. Prices on application.	
P-17 Special dissections of the vessels and nerves of any region of the body. Dried and prepared. Prices on application.	
P-18 Special dissections of any part of the brain. In best glass jar. Prices on application.	
Special topographical dissections of any region of the body, displaying structures as per order. Dried and prepared. Prices on application.	



RUBBER-STAMP ANATOMICAL DIAGRAMS

- Fig. 111. Brain, superior surface, right and left, Fig. 111, each.
 Fig. 112. Pelvis, anterior view, Fig. 112.
 Fig. 127. Female, with ligaments, after Howard & Kelly, Fig. 127.
 Fig. 128. Male, posterior view, right and left, Fig. 128.
 Fig. 152. Larynx, anterior view, from above, right and left, Fig. 152.
 Fig. 175. Female body, anterior or posterior view, Fig. 175, each.
 Fig. 176. Female body, anterior or posterior view, Fig. 176, each.
 Fig. 177. Female body, anterior or posterior view, Fig. 177, each.
 Fig. 178. Female body, anterior or posterior view, Fig. 178, each.
 Fig. 179. Male body, anterior or posterior view, Fig. 179, each.
 Fig. 180. Male body, anterior or posterior view, Fig. 180, each.

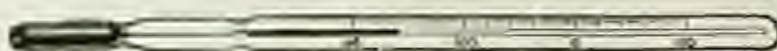
111
112
127
128
152
175
176
177
178
179
180



SCALES AND MEASURING RODS

- P-27 Jones' physician's scale. "The Bartholin." is absolutely accurate and fully warranted, finished in white enamel with brass beam and measuring rod nickel-plated. The platform measures 12x12 and is only 5 inches high. It weighs less than 40 lbs. 40 quarter pounds. \$12 00
- P-28 Fairbank's physician's scale, made of brass and iron with a tall pillar which places the beam on a level with the eyes. It is finished in pale blue enamel with nickel-plated sliding pole beam. The scale is furnished either with or without measuring rod as desired, capacity 250 lbs. in 1 oz. Thickness 15x15x15, without measuring rod. 25 00
With measuring rod. 28 00
- P-29 The McElly improved measuring rod, made of brass, polished and nickel-plated, can be attached to the wall, window or door frame, measures from 0 to 25 inches. 2 50

Do not mutilate catalogue.—Specify section letter and number in ordering.



P-30



P-31



P-32



P-33



P-34



P-35



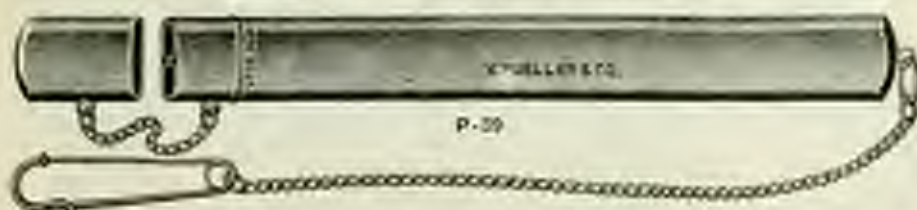
P-37

CLINICAL THERMOMETERS

P-30 Clinical thermometer, plain bulb	\$1.00
P-31 Clinical thermometer, twin bulb, magnifying index, 2 minutes, \$1.00; 1/2 minute	1.75
P-32 Clinical thermometer, ordinary bulb, 1 minute	1.00
P-33 Clinical thermometer, ventricle scale, numbers and graduations are inside case, therefore perfectly aseptic	1.00
P-34 V. M. & Co. thermometer, 1/2 minute, magnifying index with certificate, guaranteed to be correct .....	.75
P-35 V. M. & Co. thermometer, 1 minute, magnifying index with certificate, guaranteed to be correct .....	.50
P-36 V. M. & Co. thermometer, 2 minutes, magnifying index with certificate .....	.40
P-37 "E.C.C." clinical thermometer	1.25
P-38 The Tyco clinical thermometer in safety case	1.50

Thermometers listed above are furnished in hard rubber cases. In aluminum, or plated with some other metal. (Special prices on quantities).

Do not mutilate catalogue.—Specify section letter and number in ordering.



P-39



P-40



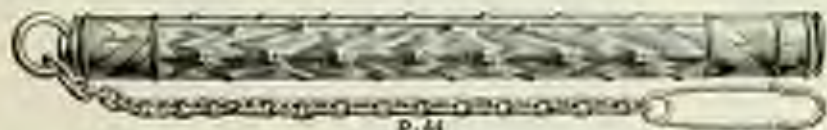
P-41



P-42



P-43



P-44



P-44A

THERMOMETER CASES

P-39 Sterling silver thermometer case, for carrying regular and rectal thermometer.....	\$1.50
P-40 Sterling silver and black enamel thermometer case.....	1.00
P-41 Tapering pearl and gold plated thermometer case.....	1.50
P-42 Tortoise shell thermometer case.....	1.25
P-43 Sterling silver, engraved and thermometer case.....	1.00
P-44 Sterling silver and gold plated thermometer case.....	2.00
P-44A Sterling silver octagonal thermometer case, made extra heavy and finely chased....	1.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



PERCUSSION HAMMERS, PLEXIMETERS, ETC.

7-15	Perseus, hammer, V. M. & Co's
7-16	Perseus, hammer
7-17	Perseus, hammer, Drucker's, as used at Johns Hopkins University
7-18	Perseus, hammer, Flint's, metal handle
7-19	Perseus, hammer, Norman's
7-20	Perseus, hammer, Smith's, double joint steel
7-21	Perseus, hammer, Sawyer's, double jointed
7-22	Perseus, hammer, Taylor's, heavy iron handle
7-23	Perseus, hammer
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7-100	Perseus, hammer

Do not mutilate catalogue.—Specify section letter and number in ordering.

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P-55

P-57

P-58



P-59



P-60

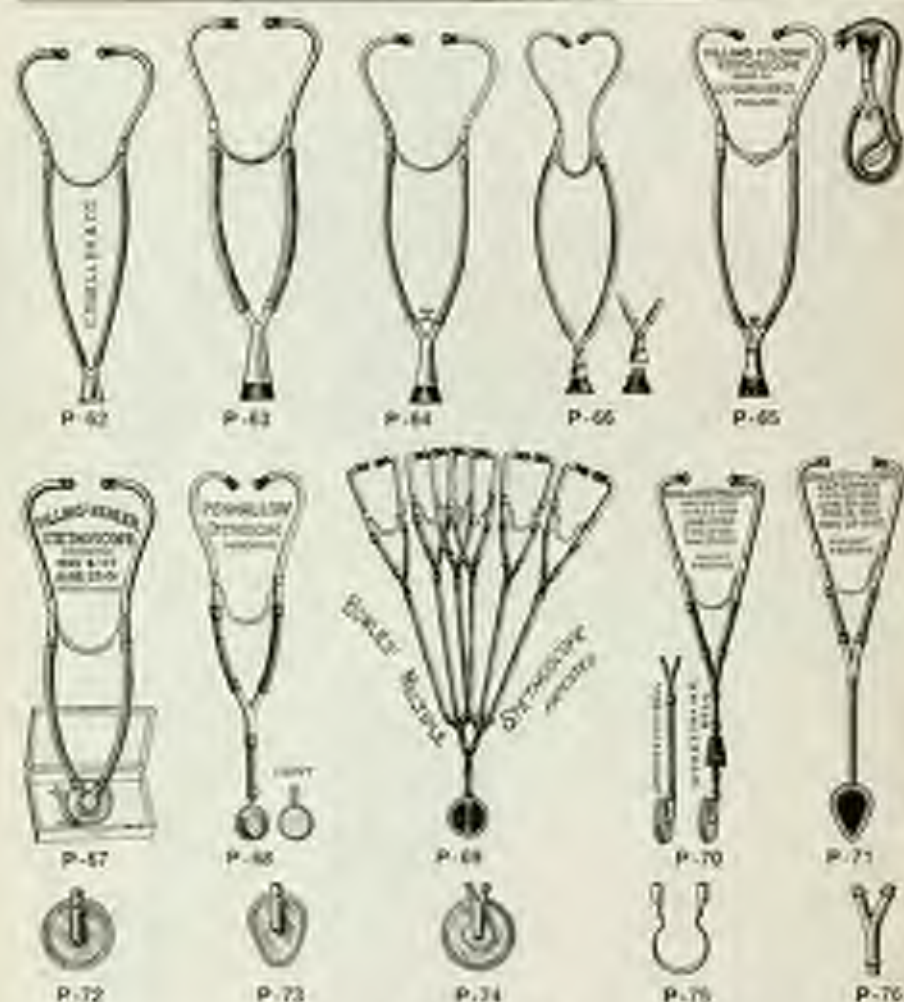


P-61

STETHOSCOPES

P-55	Dorff's stethoscope for maintaining relative intensity of heart sounds.....	\$7.00
P-57	V. M. & Co.'s pocket stethoscope, with membrane and metal pistons.....	1.25
P-58	Yongue's stethoscope with intercostal diaphragm.....	3.50
P-59	Kandler's stethoscope with spiral joint, latest model.....	2.50
P-60	Herrick's pocket stethoscope, metal bell without diaphragm.....	1.50
P-61	Sheppard's folding stethoscope, set.....	2.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



STETHOSCOPES

P-62	Herrick's stethoscope, with metal bell.....	\$1.00
P-63	Forde's stethoscope, with specially heavy pure gum tubing, heavy metal end and bell.....	\$1.50
P-64	Dow's stethoscope with finger rest.....	\$1.00
P-65	Dow's Yiling stethoscope, folding.....	\$1.00
P-66	Stanton's improved stethoscope.....	\$1.00
P-67	Yiling Kiebler's stethoscope, set.....	\$1.00
P-68	Postulow stethoscope, set.....	\$1.00
P-69	Bowles' multiple stethoscope, for two persons, set \$5.00; three persons, set \$6.50; six persons, set \$20.00; twelve persons, set.....	\$12.50
P-70	Bowles' stethoscope, round with extra hard rubber bell, either size diaphragm, set.....	\$4.00
P-71	Bowles' stethoscope, battery shape, one size only, set.....	\$4.00
	Bowles' stethoscope chest piece, round any made in three sizes, 1 1/2 in., 1 3/4 in. and 2 in.....	
P-72	Bowles' chest piece, three sizes, each, set.....	\$1.00
P-73	Bowles' battery shape chest piece, one size, set.....	\$1.00
P-74	Bowles' chest piece with Y shaped connection, set.....	\$1.00
P-75	Spring for Bowles' stethoscope.....	\$1.00
P-76	Y piece for Bowles' stethoscope.....	\$1.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



P-77



P-78



P-79



P-80



P-81



P-82



P-84



P-85



P-86



P-87



P-88



P-89



P-90

STETHOSCOPES

P-77	Phonendoscope, made in two sizes, metal case or soft leather pouch, each set	\$2.50
P-78	Scott's non-boaring stethoscope, set	2.50
P-79	Double end pocket stethoscope, hard rubber bell	1.25
P-80	Double end pocket stethoscope, with metal and hard rubber bell, in pouch	1.25
P-81	Hawley's stethoscope, metal stem and bell	1.00
P-82	Phonendoscope, Hawley's	1.00
P-83	Hard rubber ear tips for phonendoscopes, etc., each	.10
P-84	Stethoscopic tip, hard rubber, each	.10
P-85	Continuous bell, hard rubber, Bowles' stethoscope	.20
P-86	Soft rubber cap, Bowles' round stethoscope	.25
P-87	Soft rubber cap, Hawley's binaural stethoscope	.25
P-88	Metal preserver for chest piece, any size	.25
P-89	Hard rubber diaphragm, round, any size	.25
P-90	Hard rubber diaphragm, balloon shape	.25
P-91	Hard rubber bell for Ford's stethoscope for Fig. 1740, also D-48 and D-49, each	.40

Do not mutilate catalogue.—Specify section letter and number in ordering.



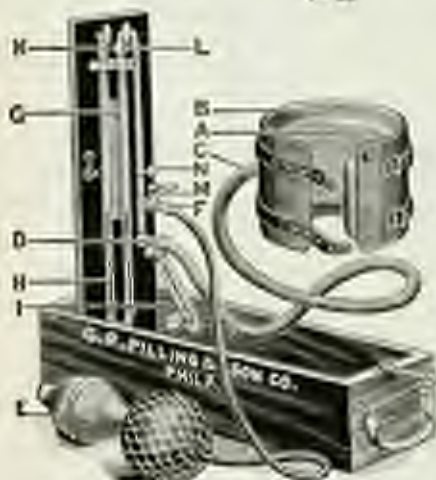
P-34A



P-32



P-32A



P-33



P-34

BLOOD PRESSURE APPARATUS

P-32 Tyro sphygmomanometer as shown is applied to the arm and ready for use. It consists of a pump, an arm piece, an inflatable bulb and two short pieces of rubber tubing. It measures tension 0 and 500 millimeters of mercury, but there is no mercury in the instrument, consequently no mercury to spill and no glass liable to break. Put up in original case, size 7 1/2 x 5 1/2 x 3 1/2, net.....

\$2.00

P-32A Illustration showing full size of the Tyro group.

P-33 Fauchet's sphygmomanometer is contained in portable malagaire box, 15x10x10 inches. Its advantages are: compactness, absolute control of mercury, facility of determining diastolic blood pressure and the glass manometer tube is not exposed to danger of breaking. Complete with arm band, bulb or metal pump, net.....

30.00

P-34 Sphygmomanometer complete in leather covered wood case with circular of drawings, net.....

20.00

P-34A Metal Pump for Sphygmomanometer, Price.....

2.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



P-97



P-95



P-95



P-97A



P-96

BLOOD PRESSURE APPARATUS, ETC.

- P-96 Cardiac sphygmomanometer, consisting of Denon's pump, arm, wrist, rubber ball, installed in case, size 14x10x12, set..... \$25.00
- P-97 Kitz-Hart sphygmomanometer, modified by Cook, pocket style, glass tube in two pieces, in portable case, set..... 5.50
- P-97A Gaertner's sphygmometer, hospital pattern, glass tube on pump, set..... 15.00
- P-97A Gaertner's sphygmometer, with metal pump, pocket style, set..... 30.00
- P-97A Sphygmo-cardiograph, Jaquet's, simple pattern for two hearings only, either radial and apex, or radial and jugular..... 60.00

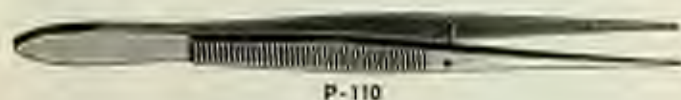
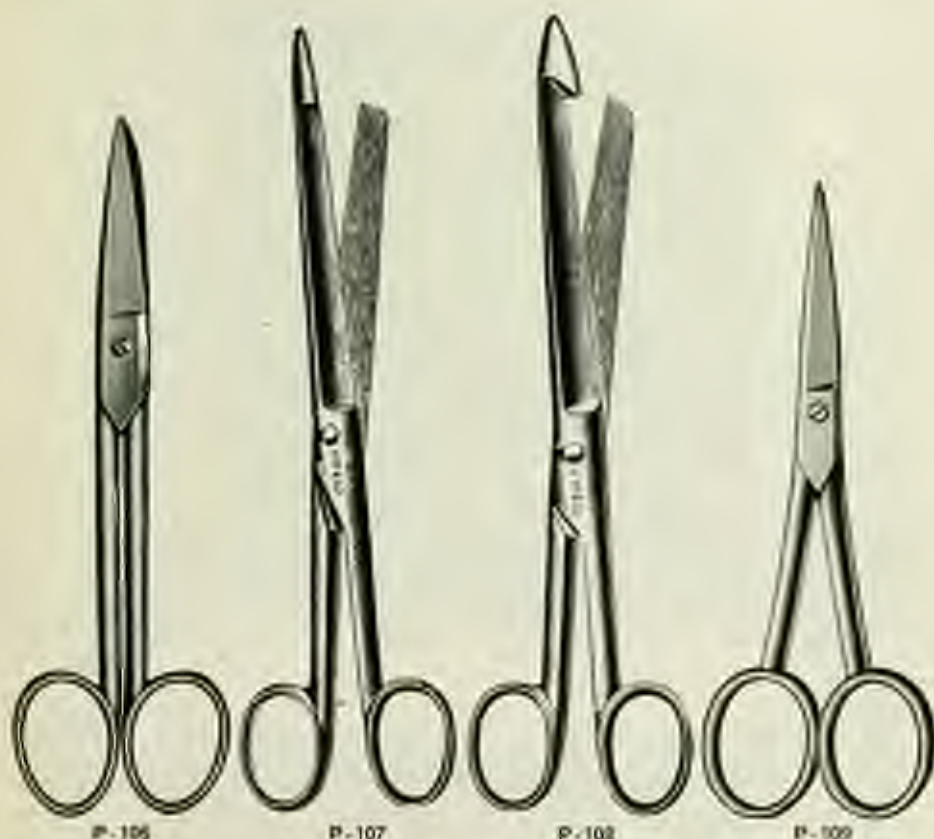
Do not mutilate catalogue.—Specify section letter and number in ordering.



DISSECTING INSTRUMENTS

P-98	Vicrow's cartilage knife, ivory handles.....	\$1.00
P-99	Cartilage knife, all steel serrated handle.....	.40
P-100	Vicrow's cartilage knife, beveled, hollow metal handle.....	1.75
P-101	Vicrow's cartilage knife, ovate point.....	1.75
P-102	Thin knife, hollow metal handle.....	3.25
P-103	Cartilage knife, American pattern, heavy, hollow metal handle.....	1.25
P-104	Inserting knife, all steel ordinary quality, \$0.20; best grade.....	.60
P-105	Inserting, metal handle.....	.40

Do not mutilate catalogue.—Specify section letter and number in ordering.



P-110



P-111

DISSECTING INSTRUMENTS

P-106	Scissors, heavy, black	11 00
P-107	Scissors, dissecting, black	12
P-108	Eberstome scissors	1 25
P-109	Eberstome scissors, probe, pointed	1 25
P-110	Forceps, fine, narrow points	50
P-111	Forceps, fine, broad points	40

Do not mutilate catalogus.—Specify section letter and number in ordering.



P-114



P-112



P-115



P-113

DISSECTING INSTRUMENTS

P-112	Dissecting forceps, regular, long	\$0.25
P-113	Dissecting forceps, long, grade	45
P-114	Dissecting set, in leatherette case with 5 instruments and books	2.00
P-115	Dissecting set, in polished wooden box, containing 5 instruments and books	1.75

Do not mutilate catalogue—Specify section letter and number in ordering.



DISSECTING AND POST-MORTEM INSTRUMENTS

P-116 Post-mortem case, containing 17 instruments of good quality as illustrated.....	\$15.00
P-117 Injection syringe, all metal with 2 needles, made in 4 sizes, from 10 cc. to 50 cc.— from \$1.00 to	\$5.00
P-118 Dissecting gown of heavy drill, long made	1.00
P-118A Dissecting gown, ordinary	1.00
P-119 Dissecting gloves, ordinary red rubber, pair .....	.60
P-119A Dissecting gloves, heavy pure gum, pair	1.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



P-120



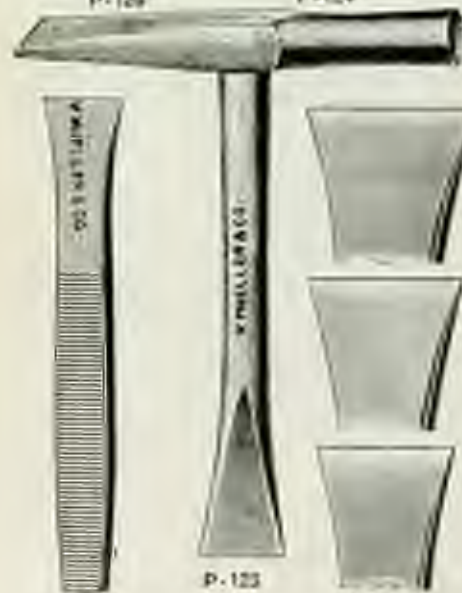
P-124



P-125



P-121



P-123



P-122A

POST-MORTEM INSTRUMENTS

P-120	Yost's bone chisel	.....	\$1.75
P-121	Costal bone chisel	.....	2.00
P-122	Chisel, all steel, heavy	.....	.60
P-123A	Showing three sizes of blades	.....
P-123	Vincent's skull breaker and hook	.....	2.00
P-124	Rhachiotome saw, double, latest model	.....	10.00
P-122A	Gale's trephine, not illustrated	.....
	large size	.....	2.25
P-122	New Carrier's trephine	.....	1.75

P-122

Do not mutilate catalogue.—Specify section letter and number in ordering.



P-130A



P-126



P-127



P-128



P-129



P-130



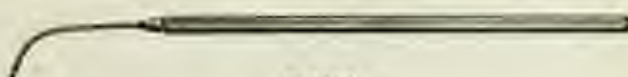
P-132



P-133



P-131



P-131A

MICROSCOPIC INSTRUMENTS

- P-126 Dissecting forceps, curved, fine, 1/2-inch
 P-127 Forceps, cover glass, straight, thin blades
 P-128 Forceps, cover glass, Nooy's, side catch, 1/2-inch
 P-129 Forceps, cover glass, bent, thin blades
 P-130 Forceps, cover glass, Cheset's
 P-130A Forceps, cover glass, Stewart's
 P-131 Dreyer's dissecting forceps, fine points
 P-131A Dreyer's ligature carrier
 P-132 Dissecting forceps, regular
 P-133 Forceps, cover glass, Nooy's, fine
 P-134 Dissecting knife, best grade

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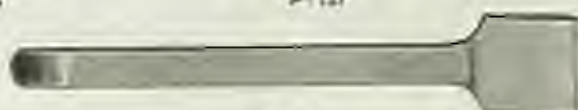
P-135



P-137



P-136



P-138



P-139



P-140



P-141

MICROSCOPIC INSTRUMENTS

P-135	Scissors, dissecting, fine	20 00
P-136	Scissors, straight, extra fine, sharp point	25
P-137	Scissors, good grade, light	65
P-138	Section lifter, all metal, German wire	1 15
P-139	Section lifter, wooden handle, German silver blade, 100 millimeters	20
P-140	Section lifter, wooden handle, German silver blade, 100 millimeters	45
P-141	Inserting needle, bone handle, straight	15

Do not mutilate catalogue.—Specify section letter and number in ordering.



P-142



P-144



P-143



P-145



P-146



P-147



P-148



P-149



P-150



P-151



P-152



P-153



P-154



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P-160



P-161

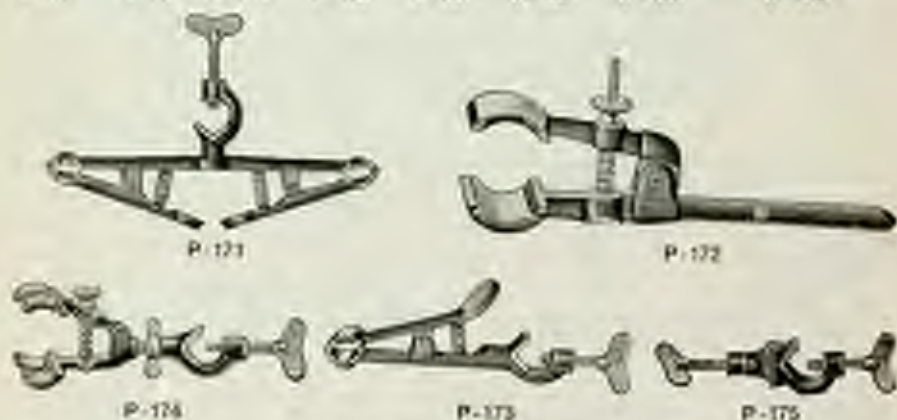
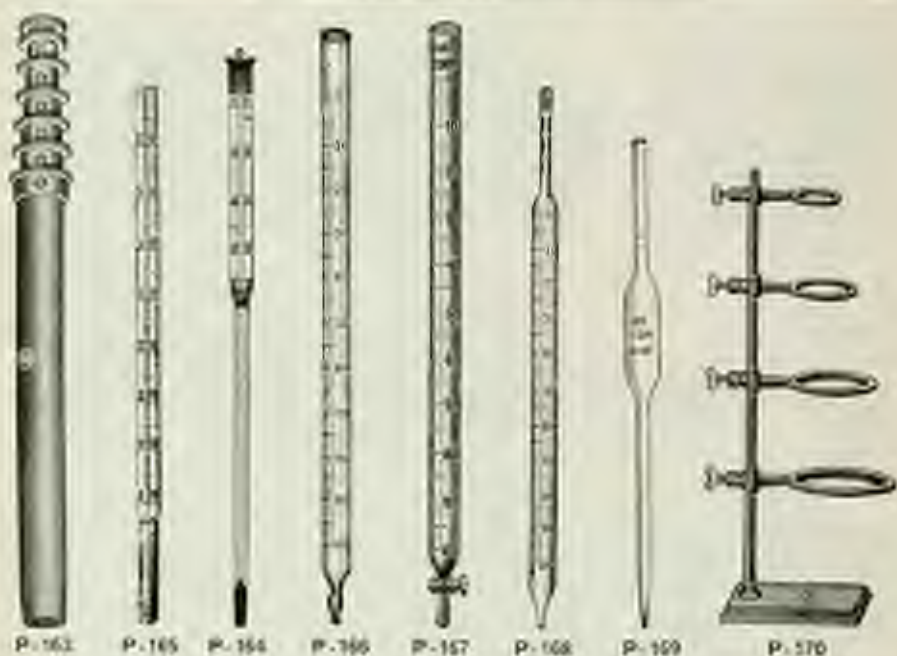


P-162

LABORATORY SUPPLIES

- P-142 Mortar, softwood pestle with wooden handle, diameter 17 cm., \$0.50; 17 cm., \$0.60; 15 cm., \$0.40.
 P-143 Mortar, strong white glass with glass pestle, small, \$0.25; medium, \$0.50; large, \$0.75.
 P-144 Mason chamber, heavy white glass, 200/25 mm., \$1.50; 240/30 mm., \$1.80.
 P-145 Shallow dishes, American make, clear glass, well flared, from 20 to 60 mm. diameter, each from \$0.05 to \$0.10.
 P-146 Pasture dishes, German, 100 mm. diameter, each \$0.10.
 P-147 Pyrex dishes, German, 50 mm., \$0.20; 60 mm., \$0.25; 120 mm., \$0.40; 150 mm., \$0.50.
 P-148 Watch glass, Pyrex, 50 mm., per 10.
 P-149 Slides, preparation, loose fitting cover, 20 mm., \$0.20; 30 mm., \$0.25; 40 mm., \$0.30; 50 mm., \$0.35.
 P-150 Easels, best Bohemian glass, capacity from 15 cc. to 50 cc., from \$0.05 to \$0.10.
 P-151 Bottle, balsam.
 P-152 Bottle, dropping, ground glass stopper, 30 cc.
 P-153 Bottle, reagent, tapered, narrow mouth, glass stopper, 125 cc. capacity, 22 reservoirs.
 P-154 Bottle, dropping, both glass and rubber pipette without rubber, 15 cc., \$0.15; 30 cc., \$0.20.
 P-155 Dishes, porcelain, evaporating, capacity from 50 to 100 cc., from \$0.20 to \$0.30.
 P-156 Bottle, dropping, ground glass, with pipette, 30 cc.
 P-157 Watch glasses, thin concave form, diameter from 50 to 120 mm., per 10, \$0.22 to \$0.30.
 P-158 Jars, apothecary, metal screw cap, capacity 10 to 200 cc., each, from \$0.05 to \$0.10.
 P-159 Flasks, Koch form, flat bottoms, capacity from 20 to 200 cc., from \$0.20 to \$0.30.
 P-160 Flasks, Erlenmeyer, capacity from 20 to 200 cc., from \$0.20 to \$0.30.
 P-161 Funnel, glass, according to size, from \$0.05 to \$0.10.
 P-162 Funnel, rubber, from \$0.05 to \$0.10.

Do not mutilate catalogue.—Specify section letter and number in ordering.



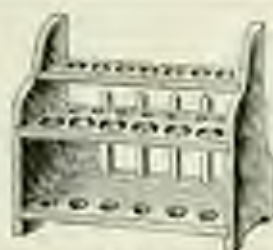
LABORATORY SUPPLIES

P-162	Cork borer, hand beam, polished, per set of 6	\$1.00
P-164	Thermometer, barometric, centigrade graduated, 10 in.	1.00
P-165	Thermometer, chemical, white rock, 100° and 150°, each, 11.5 in.	1.00
P-166	Thermometer, Mohr's, without pinch neck or rubber connection, 22 in., 30 in., 38 in., 41 in., 50 in.	1.00
P-167	Pipettes, Mohr's, with glass stopcock, 10 cc., 25 cc., 50 cc., 100 cc.	1.00
P-168	Pipettes, volumetric, capacity from 1 to 100 cc., 10 cc. to 100 cc.	1.00
P-169	Pipettes, volumetric, capacity from 1 to 100 cc., 10 cc. to 100 cc.	1.00
P-170	Support, rectangular base with three rings, 10 in., 12 in., 14 in.	1.00
P-171	Double barrette clamp	1.00
P-172	Barrette clamp, with cast lined jaw, heavy	1.00
P-173	Barrette clamp, with checknut	1.00
P-174	Barrette clamp, for larger work	1.00
P-175	Clamp, iron, for attaching clamps to supports	1.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



P-176



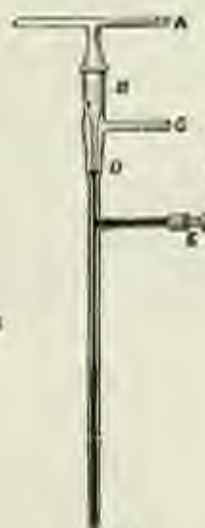
P-177



P-178



P-179



P-181



P-180



P-182



P-183



P-184



P-185

LABORATORY SUPPLIES

P-176	Test tube rack, large	\$1.50
P-177	Test tube rack, small	.40
P-178	Regulator, Ross's, metallic, small, 10-40; large	\$2.00
P-179	Filter pump on base with vacuum gauge and stop cocks at water and air connections	3.00
P-180	Filter pump, Chasman's, nickel-plated with rubber connection P-181 or P-182	2.25
P-181	Regulator, Balch's, improved	2.00
P-182	"T" connection made of brass	.25
P-183	"Y" connection made of brass	.25
P-184	Connection for filter pumps for large faucet	.40
P-185	Connection with rubber washer to fit small faucets	.25

Do not mutilate catalogue.—Specify section letter and number in ordering.



P-186



P-188



P-187



P-189



P-191



P-192



P-190



P-193



P-195



P-196



P-197



P-194

LABORATORY SUPPLIES

P-186	Basson burner, 2 inches high	\$0.30
P-187	Basson burner, low form, 2 inches high	50
P-188	Basson burner, radial, small, 3 1/2 inches diameter	1.00
P-189	Basson burner, single tube, 4 inches high	1.00
P-190	Basson burner, two tubes, 4 inches high	1.00
P-191	Clamp, Mah's, for bottles	1.00
P-192	Test tube holders, metal, No. 15, wood	1.00
P-193	Clamping clamp, screw back	1.00
P-194	Spindle with wooden handles, with blades from 2 to 15 inches long, from \$0.25 to	1.00
P-195	Alcohol lamp, made of brass	1.00
P-196	Alcohol lamp, made of brass	1.00
P-197	Alcohol lamp, made of glass, small and large, \$0.25 and \$0.50	1.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



P-198

P-200

P-199



P-201



P-202



P-203



P-204



P-205

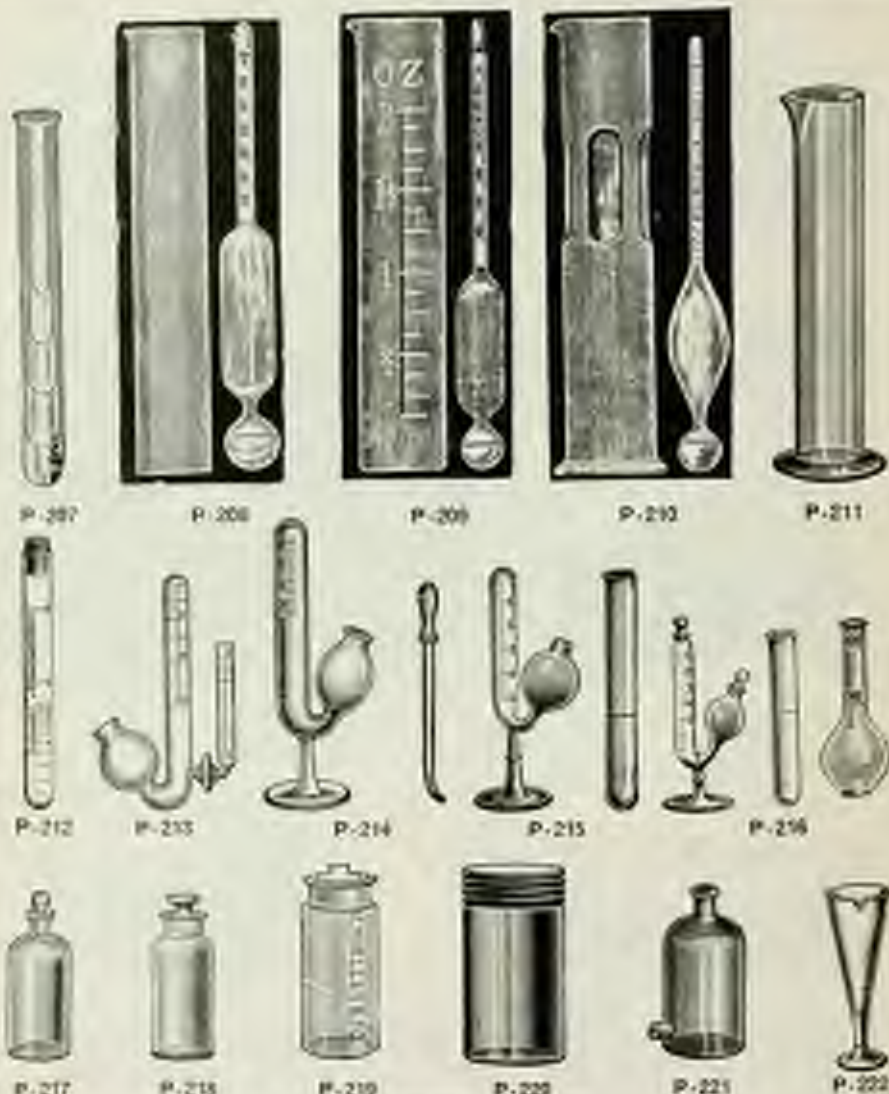


P-206

LABORATORY SUPPLIES

P-198	Cover glasses, square, No. 1, per dozen, \$1.00; No. 2, per dozen, 1.00	36.00
P-199	Cover glasses, circle, No. 1, per dozen, 1.00; No. 2, per dozen, 1.00	1.00
P-200	Slides, thin, with ground edges, per gross, 1.00	1.00
P-201	Slide boxes, regular, to hold 25 slides, each, 1.00	1.00
P-202	Slide boxes, regular, to hold 25 slides, each, 1.00	1.00
P-203	Slide boxes, covered in cloth, to hold 100 slides, each, 1.00	1.00
P-204	Balance, Trueman's, on polished metal base, a well finished and reliable scale including weights, set, 3.00	3.00
P-205	Balance, Trueman's, scale bar indicator pointing downward, slide attachment on needle can be quickly balanced. This is a very reliable outfit, including weights, set, 4.00	4.00
P-206	Scale, Fairbank's, no beam weights required, set, 4.00	4.00

Do not mutilate catalogue—Specify section letter and number in ordering.



LABORATORY SUPPLIES

- P-207 Test tubes, from 2 ft 3 inches in length, per dozen, \$1.10 to
 P-208 Thermometer, 100°
 P-209 Thermometer, V. M. & Co.'s special, with glass scale
 P-210 Thermometer, 100°
 P-211 Cylindrical graduate, 100 cc.
 P-212 Hydrometer, 100°
 P-213 Hydrometer, 100°
 P-214 Hydrometer, 100°
 P-215 Hydrometer, 100°
 P-216 Hydrometer, 100°
 P-217 Hydrometer, 100°
 P-218 Hydrometer, 100°
 P-219 Hydrometer, 100°
 P-220 Hydrometer, 100°
 P-221 Hydrometer, 100°
 P-222 Hydrometer, 100°
 P-223 Hydrometer, 100°

Do not mutilate catalogue.—Specify section letter and number in ordering.



P-220



P-227



P-230



P-232



P-226



P-225



P-221



P-229



P-221



P-233



P-234



P-235



P-224

LABORATORY SUPPLIES

- P-222 Whim graduate, central, 50 minims, \$1.25; 120 minims.....
 P-224 Graduates, cc. or minims, from 12 cc. to 500 cc., \$1.25 to.....
 P-225 Microscope for detection of albumen with nitric acid.....
 P-226 Bell jar, two sizes, \$1.25; \$1.40; \$1.60.....
 P-227 Urine test set, complete with reagents as illustrated.....
 P-228 Same as above, but with removal glass plate of opal glass.....
 P-229 Pipette, ordinary, per dozen.....
 P-230 Litmus Paper, 1 book, each Red and Blue in vial.....
 P-231 Test tube brush, each.....
 P-232 Tripod as illustrated, \$1.25; with three rings.....
 P-233 Spring balance, Borden's.....
 P-234 Hood (vacuum) with retractable metal or hard rubber case.....
 P-235 Virchow's sander, reversible with platinum blades, \$1.25; with steel blades.....
 P-236 Moxley's blood sealer.....

Do not mutilate catalogue.—Specify section letter and number in ordering.

STAINS

P-20	Aurine Water—Gentian Violet, per ounce	10
P-21	Rosin Eosin—Resorcinol, 1-ounce solution, per ounce	10
P-22	Bismark Brown	10
P-23	Bismark Brown	10
P-24	Carbol Fuchsin, 20%	10
P-25	Carbol Gentian Violet	10
P-26	Carbol Thionin	10
P-27	Carbol Alcan, Mayer's	10
P-28	Congo Red	10
P-29	Dahlia	10
P-30	Dahlia, 10% sol.	10
P-31	Dahlia, 20% sol.	10
P-32	Dahlia's 1-ounce solution	10
P-33	Dahlia's 2-ounce solution	10
P-34	Dahlia, 10% sol.	10
P-35	Dahlia, 20% sol.	10
P-36	Dahlia, 30% sol.	10
P-37	Dahlia, 40% sol.	10
P-38	Dahlia's 1-ounce solution	10
P-39	Dahlia's 2-ounce solution	10
P-40	Dahlia's 3-ounce solution	10
P-41	Dahlia's 4-ounce solution	10
P-42	Dahlia's 5-ounce solution	10
P-43	Dahlia's 6-ounce solution	10
P-44	Dahlia's 7-ounce solution	10
P-45	Dahlia's 8-ounce solution	10
P-46	Dahlia's 9-ounce solution	10
P-47	Dahlia's 10-ounce solution	10
P-48	Dahlia's 11-ounce solution	10
P-49	Dahlia's 12-ounce solution	10
P-50	Dahlia's 13-ounce solution	10
P-51	Dahlia's 14-ounce solution	10
P-52	Dahlia's 15-ounce solution	10
P-53	Dahlia's 16-ounce solution	10
P-54	Dahlia's 17-ounce solution	10
P-55	Dahlia's 18-ounce solution	10
P-56	Dahlia's 19-ounce solution	10
P-57	Dahlia's 20-ounce solution	10
P-58	Dahlia's 21-ounce solution	10
P-59	Dahlia's 22-ounce solution	10
P-60	Dahlia's 23-ounce solution	10
P-61	Dahlia's 24-ounce solution	10
P-62	Dahlia's 25-ounce solution	10
P-63	Dahlia's 26-ounce solution	10
P-64	Dahlia's 27-ounce solution	10
P-65	Dahlia's 28-ounce solution	10
P-66	Dahlia's 29-ounce solution	10
P-67	Dahlia's 30-ounce solution	10
P-68	Dahlia's 31-ounce solution	10
P-69	Dahlia's 32-ounce solution	10
P-70	Dahlia's 33-ounce solution	10
P-71	Dahlia's 34-ounce solution	10
P-72	Dahlia's 35-ounce solution	10
P-73	Dahlia's 36-ounce solution	10
P-74	Dahlia's 37-ounce solution	10
P-75	Dahlia's 38-ounce solution	10
P-76	Dahlia's 39-ounce solution	10
P-77	Dahlia's 40-ounce solution	10
P-78	Dahlia's 41-ounce solution	10
P-79	Dahlia's 42-ounce solution	10
P-80	Dahlia's 43-ounce solution	10
P-81	Dahlia's 44-ounce solution	10
P-82	Dahlia's 45-ounce solution	10
P-83	Dahlia's 46-ounce solution	10
P-84	Dahlia's 47-ounce solution	10
P-85	Dahlia's 48-ounce solution	10
P-86	Dahlia's 49-ounce solution	10
P-87	Dahlia's 50-ounce solution	10
P-88	Dahlia's 51-ounce solution	10
P-89	Dahlia's 52-ounce solution	10
P-90	Dahlia's 53-ounce solution	10
P-91	Dahlia's 54-ounce solution	10
P-92	Dahlia's 55-ounce solution	10
P-93	Dahlia's 56-ounce solution	10
P-94	Dahlia's 57-ounce solution	10
P-95	Dahlia's 58-ounce solution	10
P-96	Dahlia's 59-ounce solution	10
P-97	Dahlia's 60-ounce solution	10
P-98	Dahlia's 61-ounce solution	10
P-99	Dahlia's 62-ounce solution	10
P-100	Dahlia's 63-ounce solution	10
P-101	Dahlia's 64-ounce solution	10
P-102	Dahlia's 65-ounce solution	10
P-103	Dahlia's 66-ounce solution	10
P-104	Dahlia's 67-ounce solution	10
P-105	Dahlia's 68-ounce solution	10
P-106	Dahlia's 69-ounce solution	10
P-107	Dahlia's 70-ounce solution	10
P-108	Dahlia's 71-ounce solution	10
P-109	Dahlia's 72-ounce solution	10
P-110	Dahlia's 73-ounce solution	10
P-111	Dahlia's 74-ounce solution	10
P-112	Dahlia's 75-ounce solution	10
P-113	Dahlia's 76-ounce solution	10
P-114	Dahlia's 77-ounce solution	10
P-115	Dahlia's 78-ounce solution	10
P-116	Dahlia's 79-ounce solution	10
P-117	Dahlia's 80-ounce solution	10
P-118	Dahlia's 81-ounce solution	10
P-119	Dahlia's 82-ounce solution	10
P-120	Dahlia's 83-ounce solution	10
P-121	Dahlia's 84-ounce solution	10
P-122	Dahlia's 85-ounce solution	10
P-123	Dahlia's 86-ounce solution	10
P-124	Dahlia's 87-ounce solution	10
P-125	Dahlia's 88-ounce solution	10
P-126	Dahlia's 89-ounce solution	10
P-127	Dahlia's 90-ounce solution	10
P-128	Dahlia's 91-ounce solution	10
P-129	Dahlia's 92-ounce solution	10
P-130	Dahlia's 93-ounce solution	10
P-131	Dahlia's 94-ounce solution	10
P-132	Dahlia's 95-ounce solution	10
P-133	Dahlia's 96-ounce solution	10
P-134	Dahlia's 97-ounce solution	10
P-135	Dahlia's 98-ounce solution	10
P-136	Dahlia's 99-ounce solution	10
P-137	Dahlia's 100-ounce solution	10

REAGENTS

P-201	Antiformin, for T. B., per ounce	10
P-202	Congo Red Indicator	10
P-203	Dimethylamidoazobenzene	10
P-204	Ehrlich's aldehyde reaction, I	10
P-205	Ehrlich's aldehyde reaction, II	10
P-206	Germicide's sol.	10
P-207	Methyl Orange Indicator	10
P-208	Phosphotungstic	10
P-209	Phosphotungstic	10
P-210	Trapsol	10

SOLUTIONS

P-211	Bismark Brown, per pound	10
P-212	Fuchsin's Solution, No. 1, per pound	10
P-213	Fuchsin's Solution, No. 2, per pound	10
P-214	Fuchsin's Solution, modified, 1 sol., per pound	10
P-215	Fuchsin's Solution, per pound	10
P-216	Germicide's Solution, per pound	10
P-217	Germicide's Solution, per pound	10
P-218	Germicide's Solution, per pound	10
P-219	Germicide's Solution, per pound	10
P-220	Germicide's Solution, per pound	10
P-221	Germicide's Solution, per pound	10
P-222	Germicide's Solution, per pound	10
P-223	Germicide's Solution, per pound	10
P-224	Germicide's Solution, per pound	10
P-225	Germicide's Solution, per pound	10
P-226	Germicide's Solution, per pound	10
P-227	Germicide's Solution, per pound	10
P-228	Germicide's Solution, per pound	10
P-229	Germicide's Solution, per pound	10
P-230	Germicide's Solution, per pound	10
P-231	Germicide's Solution, per pound	10
P-232	Germicide's Solution, per pound	10
P-233	Germicide's Solution, per pound	10
P-234	Germicide's Solution, per pound	10
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P-236	Germicide's Solution, per pound	10
P-237	Germicide's Solution, per pound	10
P-238	Germicide's Solution, per pound	10
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P-241	Germicide's Solution, per pound	10
P-242	Germicide's Solution, per pound	10
P-243	Germicide's Solution, per pound	10
P-244	Germicide's Solution, per pound	10
P-245	Germicide's Solution, per pound	10
P-246	Germicide's Solution, per pound	10
P-247	Germicide's Solution, per pound	10
P-248	Germicide's Solution, per pound	10
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P-256	Germicide's Solution, per pound	10
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P-263	Germicide's Solution, per pound	10
P-264	Germicide's Solution, per pound	10
P-265	Germicide's Solution, per pound	10
P-266	Germicide's Solution, per pound	10
P-267	Germicide's Solution, per pound	10
P-268	Germicide's Solution, per pound	10
P-269	Germicide's Solution, per pound	10
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P-272	Germicide's Solution, per pound	10
P-273	Germicide's Solution, per pound	10
P-274	Germicide's Solution, per pound	10
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P-276	Germicide's Solution, per pound	10
P-277	Germicide's Solution, per pound	10
P-278	Germicide's Solution, per pound	10
P-279	Germicide's Solution, per pound	10
P-280	Germicide's Solution, per pound	10
P-281	Germicide's Solution, per pound	10
P-282	Germicide's Solution, per pound	10
P-283	Germicide's Solution, per pound	10
P-284	Germicide's Solution, per pound	10
P-285	Germicide's Solution, per pound	10
P-286	Germicide's Solution, per pound	10
P-287	Germicide's Solution, per pound	10
P-288	Germicide's Solution, per pound	10
P-289	Germicide's Solution, per pound	10
P-290	Germicide's Solution, per pound	10
P-291	Germicide's Solution, per pound	10
P-292	Germicide's Solution, per pound	10
P-293	Germicide's Solution, per pound	10
P-294	Germicide's Solution, per pound	10
P-295	Germicide's Solution, per pound	10
P-296	Germicide's Solution, per pound	10
P-297	Germicide's Solution, per pound	10
P-298	Germicide's Solution, per pound	10
P-299	Germicide's Solution, per pound	10
P-300	Germicide's Solution, per pound	10

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CULTURE MEDIA, ETC.

P-201	Agar-Agar, shreds, per pound	20
P-202	Agar-Agar, powder, per pound	2 00
P-203	Beef Extract, Armour's, per 1/2 pound	1 20
P-204	Beef Extract, Armour's, per 1/4 pound	1 80
P-211	Beef Extract, Armour's, per pound	2 50
P-212	Celloidin, Schering's, per ounce	1 50
P-213	Gelatin, best, gold label, per pound	1 40
P-214	Paraffin, soft, per pound	30
P-215	Paraffin, hard, per pound	30
P-216	Peptone, Wilson's, per 100 grams	1 20
P-217	Peptone, Wilson's, per 50 grams	2 50
P-218	Peptone, Wilson's, per 250 grams	4 50
P-219	Peptone, Armour's, per 500 grams	2 00
P-220	Acid Dye, per 1/2 gram	1 50
P-221	Acid Dye, per gram	2 50
P-222	Alcohol, Ethyl, 95%, per pound	40
P-223	Alcohol, Methyl, f. p., Merck's, per pound	1 20
P-224	Aniline Oil, pure, per pound	30
P-225	Canada Balsam, in Xylol, per ounce	25
P-226	Canada Balsam, in Xylol, per lb.	30
P-227	Cedar Oil, for Impression, per ounce	45

TEST PAPERS

P-228	Orange Paper, per vial	10
P-229	Lilium Paper, blue and red, per vial	15
P-230	Lilium Paper, blue or red, per book	30
P-231	Trypsinin, glass, per vial	10
P-232	Thermic paper, per vial	10

"SOLOID"

Microscopic slides for testing purposes

Give excellent results and the aniline dyes used are of the highest quality.

P-233	Bismarck Brown, pure, 0.1 gram, per tube	20
P-234	Bohr's Methylene Blue	25
P-235	Bohr's Triple Stain	25
P-236	Eosin, pure, 0.1 gram	20
P-237	Eosin-Azur (in citric staining with new solution) 0.05 gram	5 00
P-238	Eosin-Methylene Blue (Bohr's Jenner's Stain) 0.05 gram	15
P-239	Fuchsin (Bohr), pure, 0.1 gram	20
P-240	Gentian Violet, pure, 0.1 gram	20
P-241	Gram's Iodine Solution, 2 cc	25
P-242	Haematexylin (DeLafeld)	20
P-243	Haematexylin, pure, 0.1 gram	20
P-244	Methyl Violet, pure, 0.1 gram	20
P-245	Methylene Blue, pure, 0.1 gram	20
P-246	Romanovsky Stain (Littman's Powder) 0.05 gram	20
P-247	Romanovsky Stain (Wygh's Modification) 0.05 gram	20
P-248	Sodium Carborate, 0.05 gram	20
P-249	Toluidin Blue, pure, 0.1 gram	20
P-250	Toluidin Blue, 0.1 gram	20
P-251	Toluidin Blue, 0.1 gram	20
P-252	Methyl Alcohol, pure: For use in microscopic staining. In hermetically sealed glass phials, each containing 15 cc. (approximately 1/2 fluid ounce) per phial.	20



P-352



P-353A



P-354



P-356A

ELECTRIC CENTRIFUGES.

- P-352 Victor Electric centrifuge, with speed controlling rheostat and acceleration tube, with aluminum protector for 12-volt direct or alternating,..... \$9.00
- P-353A Same protector as illustrated, 220-volt,..... 5.00
- If four-arm piece is wanted instead of two-arm piece, add \$2.00.
- P-354 Purdy Electric centrifuge for 115-volt direct or alternating current with two-arm piece, 22.00
- P-355 Four-arm piece for centrifuges illustrated on this page, with aluminum shield but no glassware,..... 5.00
- P-356 Fig. A. Tube for milk analysis,..... 50
- Fig. B. Hahn tube,..... 10
- Fig. C. Graduated urine tube,..... 50
- Aluminum protection tubes,..... 99
- If four-arm piece is wanted for the Purdy centrifuge instead of two-arm piece, add \$4.50.
- P-356A Hemolysed,..... 5.00



P-355

P-355



P-353



P-357



P-358



P-360

ELECTRIC CENTRIFUGES

P-353 International electric centrifuge, size 60; equipment, two tubes of 15 cc. each. One speed about 1,200 r. p. m.

For 110-volt d. c. or a. c., set.....\$19.50 For 220-volt d. c. or a. c., set.....\$25.00
Glass tubes are not included in these prices.

P-355 International electric centrifuge, size 5; equipment, 2, 4 or 8 tubes of 15 cc. each. Variable speed by use of a rheostat, furnished with the centrifuge; maximum speed with 2-tube 15 cc. head about 1,500 r. p. m.

Size 5 centrifuge and rheostat 110-volt d. c., set, 2 tube, \$25.00; 4 tube, \$31.00; 8 tube, \$37.00

Size 5 centrifuge and rheostat 220-volt d. c., set, 2 tube, \$25.00; 4 tube, \$31.00; 8 tube, \$37.00

Extra for 220-volt.....1.00

Glass tubes are not included with the above prices, see No. P-356.

Laboratories of hospitals and medical schools, doing a considerable amount of work, will be better served by the larger centrifuges listed below.

P-359 International centrifuge, size 1; height, about 15 inches. Diameter of rotating armature, 11 inches. Weight, about 35 pounds. Equipment, 2, 4 or 8 tube heads with 15 cc. tubes or an 8-tube head with eight 30 cc. tubes, or a Board of Health head for bacteria and sediment test of milk. For alternating current this is furnished in one type only, Type A. Maximum speed with 4 tubes, 15 cc. head, about 2,000 r. p. m.; with the 8-tube, 15 cc. head, about 1,500 r. p. m.; with the Board of Health head, 1,000 r. p. m. For direct current this is furnished in two types, Type A and Type B. Maximum speed with 4 tubes, 15 cc. head, Type A, is about 2,000 r. p. m.; Type B, 1,000 r. p. m. Maximum speed with 8 tubes, 15 cc. head, Type A, about 1,500 r. p. m.; Type B, 1,000 r. p. m. Prices below include centrifuge motor, guard and speed control rheostat. Equipment extra.

Size 1, Type A, 110-volt d. c., set.....\$45.00 15 cc. head and metal tubes, set.....\$22.00

Size 1, Type A, 110-volt a. c., set.....\$50.00 15 cc. head and metal tubes, set.....\$22.00

Size 1, Type B, 110-volt d. c., set.....\$45.00 Board of Health head and tubes.....15.00

Extra for 220-volt current.....1.00 Rheostats.....5.00

4 tube, 15 cc. head and metal tubes, set.....1.00 15 cc. plain tubes, 15 cc.; graduated......50

4 tube, 15 cc. head and metal tubes, A, set.....4.00 15 cc. plain tubes......25

4 tube, 15 cc. head and metal tubes, B, set.....3.00

P-360 Simplex improved electric centrifuge. For direct or alternating current. Put up in case.....21.00

Dana's hematocrit, extra.....1.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



P-302



P-306



P-301



P-303



P-305



P-304



P-305

CENTRIFUGES

- P-301 Heavy-duty centrifuge is absolutely balanced, moving parts cannot become unbalanced.
- P-302 Electric hand centrifuge is made of the highest grade material and best workmanship, smooth and easy running.
- P-303 V. Mueller & Co.'s hand centrifuge for the examination of blood and urine. The parts are all enclosed in steel proof case.
- P-304 V. Mueller & Co.'s hand centrifuge No. 2, complete.
- P-305 Portable size for any of the above centrifuges, instead of carrying place, steel case.
- P-306 Handpiece for any centrifuge.

10.00

5.50

3.00

2.50

1.00

0.50

Do not hesitate catalogue.—Specify section letter and number in ordering.



P-257

P-257 Physicist's assay table. This is a convenient general table for the assay for the convenience of clinical charts, typographic apparatus, and other sundry articles. A handsome white enameled table, with milk-white glass top, 2 glass-fronted drawers, having white beveled glass fronts. The table is locked in the front to prevent use in all cases. Many of these tables are used by physicians in microscopic work. Size of top, 28x35 inches \$26.00
Same as above, without drawers \$11.00



P-268

P-268 V. H. K. Co's chemical analysis and microscope table. This table is made entirely of iron, with glass top and 2 glass shelves. It is furnished with oxidized clips holding 12 test-tubes and 12 ounce glass stoppered bottles; also clips for test-tubes, etc. The bottle holder is fastened securely on the side. It is locked in the front. Size of top, 28x35 inches, complete \$41.00



P-308



P-370



P-371



P-372

LABORATORY APPARATUS

P-308 Incubator, physicians' type; inside dimensions, 14x14x14	\$25.00
P-309 Incubator for laboratory; inside dimensions of No. 1, 14x14, \$28.00; 12x14, \$26.00; 10x14, \$24.00	
P-370 Hot air incubator, physicians' design	12.00
P-371 Hot air incubator, physicians' design	17.00
P-372 Hot air incubator, inside wall polished copper; No. 1, 14x14, \$28.00; No. 2, 12x14, \$26.00; No. 3, 10x14, \$24.00	13.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



P-376A



P-375

LABORATORY APPARATUS

P-372 Electric or gas incubator. The cut above shows the incubator with the electric equipment. State whether direct or alternating current, 115 or 220 volt. Inside dimensions, 20x16x16, gas, \$120.00; electric, \$125.00; 20x22x16, gas, \$125.00; electric, \$130.00.

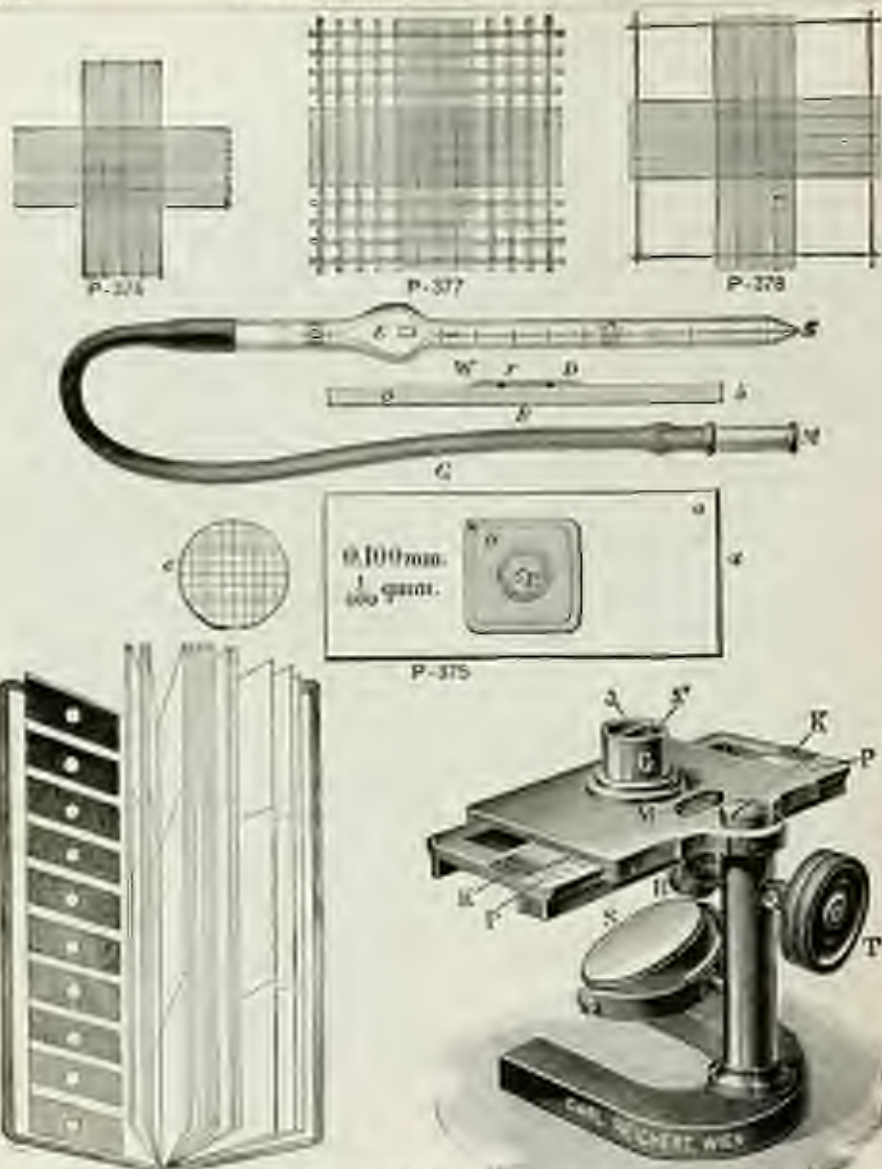
P-373 The Castle electric incubator. No auxiliary device of any kind are needed for these incubators, as they are run directly on the lighting circuit, and either alternating or direct current may be used. There are no exposed terminals. To operate, it is only necessary to screw the plug into a lamp socket and switch on the current. Inside dimensions, 24x18x16, \$75.00; 20x16x16, \$65.00.

These incubators are made in 3 sizes, and for operations on larger sizes.

P-374 Haematological drying oven, specially designed for blood work, made of copper, 20x16, and is adjustable on stand. \$100.00.



P-374



P-380

HAEMACYTOMETERS

P-379

- P-375 Haemacytometer complete with Thoma counting chamber and extra cover glasses, 2 pipettes, (red and white) in mercury case, set. \$15.00
- P-376 Haemacytometer complete with Thoma counting chamber, cover glasses, 2 mixing pipettes (red and white), in mercury case, set. 17.00
- P-377 Thoma counting chamber, with cover glass, set. 5.00
- P-378 Thoma counting chamber, with cover glass, set. 5.00
- P-379 Support ring counting chamber with cover glass, set. 5.00
- At cover glass for the same, ground glass parallel, of 0.5 to 1.0 millimeter thickness, each, set. 20.00
- M Mercury case for counting chambers, set. 4.00
- C Thoma mixing pipette for red counting, diluting 1:10 with rubber tube and mouth piece, set. 1.00
- D Thoma mixing pipette for white suspension, diluting 1:10, set. 1.00
- P-379 Haemometer, Von Feltz's, complete in case, set. 20.00
- P-380 Haemacytometer, Talcott's, consists of 30 pages of strips of absorbent paper with scale attached showing fields of haemoglobin, from 10 per cent and 100 per cent, bound in book form, set. 1.50

Do not mutilate catalogue—Specify section letter and number in ordering.



P-381



P-382



P-383



P-385



P-384

HEMOGLOBINOMETERS, SPHYGMOMETERS, ETC.

- | | |
|--|--------|
| P-381 Hemoglobinometer, Hare's design with the red-tinted glass which is shown by capillary tube at 100 mm. thickness of double thickness and which is compared with a colored glass by modified light from a candle, set..... | \$5.00 |
| P-382 Hemoglobinometer, Hare's design modification for using either day or night, set..... | 1.00 |
| P-383 Sphygmograph, Woodcock's set..... | 25.00 |
| P-384 Sphygmograph, Hare's design, set..... | 25.00 |
| P-385 Drummer's Sphygmograph..... | 5.00 |

Do not mutilate catalogue.—Specify section letter and number in ordering.

P-326
P-326A

P-327



P-328



P-329

MICROTOMES

- P-326 Automatic laboratory microtome, Spencer's, complete with one knife and usual
 select clamp for paraffin or celloidin, in packing case, net..... \$20.00
- P-326A Small object-clamp for paraffin or celloidin, if ordered separately, net..... 2.00
- P-327 Tissue microtome, either freezing attachment may be substituted for the usual
 wood clamp whenever desired, as shown, net..... 12.50
- P-328 Thin microtome. The plate at the top over which the knife is drawn is 2 inches
 in diameter, adding a new support for the knife, net..... 6.00
- P-329 New rubber squeezer, imported by Dr. H. C. Myers of Buffalo, N. Y. It will freeze
 tissue 15 mm. in diameter, and 3 mm. thick in one minute, using only 3 cc.
 of ether, net..... 3.75

Do not mutilate catalogues.—Specify section letter and number in ordering.



P-294



P-295



P-296



P-297



P-298



P-299



P-301 P-302



P-303

P-298	Microtome knife, blade 128 mm. long, \$1.00; 135 mm. long, \$1.50; 250 mm. long, \$2.50	
	Handle for sharpening, extra	1.00
	Back for sharpening, extra	.50
P-301	Microtome knife, with curved blade, according to length of blade, from \$5.00 to \$10.00	\$5.00
P-302	Microtome knife, regular, according to length of blade, from \$1.50 to \$1.75	\$1.50
P-303	Section razor, made of the best quality of steel, with folding back rubber handle	1.50
P-304	Objective, achromatic, 35 mm., set	5.00
P-305	Objective, achromatic, 4 mm., set	1.00
P-306	Objective, 2 mm., all immersion, set	20.00
P-307	Hypodermic syringe, set	1.75
P-308	Microtome eyepiece, 25 or 35 mm.	3.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



P-359



P-360

MICROSCOPES

- P-359** *Spencer Microscope No. 36.* This instrument is built with the same care and precision as the higher-priced microscopes. It is sturdily smaller than the exceptionally large instruments, but is as large as any microscope of other make selling for a like amount, and has additional advantages that the fine adjustment bearings are automatically lubricated; that the fine adjustment ceases to work when the objective rests on the cover, and that the fine adjustment is so protected that no harm can come to the threads when the instrument is carried by the arm. All lenses of highest grade. Unimpaired in magnifying power, with two eyepieces, triple objectives, with 36 mm., 4 mm., and 1.8 mm. objectives paraffined between and condenser and iris diaphragm, set. \$25.00
- P-360** *Spencer Microscope No. 38.* with quick screw substage. This microscope is like No. 36, except that it is smaller and that it differs in some minor details. What it is by far the best instrument ever put on the market for the price. The stage is like that on No. 36. The fine adjustment screw is protected, the fine adjustment bearings are automatically lubricated and the fine adjustment will not work if the objective is brought into contact with the cover glass. It is a handsomely finished and well proportioned instrument and very durable. Complete in making any outfit, with two eyepieces, 10 mm., 4 mm., and 1.8 mm. oil immersion, objectives paraffined on triple base-piece and with condenser and iris diaphragm, set.

\$20.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



P-401



P-402

MICROSCOPES

P-401 Spencer Microscope No. 24. Although necessarily slightly more expensive than instruments of other types, the microscope with the side lens adjustment is recognized as the most convenient style yet produced. No. 24 is far superior to anything in its class, because of the accuracy and durability of its lens adjustment. Its exceptionally large vertically pivoted slide—giving a free distance of 21 mm. (2 1/2 inches) from the center of the stage to the base of the arm—and its unequalled dropping mounting for the sub-stage condenser. The lenses on this microscope as on all Spencer instruments are superior to anything on the market. Complete in mahogany cabinet, with two eyepieces, triple lens-glass, 18 mm., 4 mm. and 1.5 mm. oil immersion objectives, condenser and iris diaphragm, net. \$35.00

P-402 Spencer Microscope No. 25. This instrument excels in every way of its type because of the use of its stage (the same size as that of No. 24, its automatically lubricated adjustment bearings, the fact that the lens adjustment will not work when the objective comes into contact with the cover glass, and its general beauty of outline and finish. This new type is winning a well deserved popularity. It is durable and convenient. The instrument is guaranteed both optically and mechanically. The lenses are carefully parabolized and centered on the microscope, as is the case with all Spencer microscopes. They are also guaranteed to give satisfaction. Complete in mahogany cabinet with two eyepieces, triple lens-glass, 18 mm., 4 mm. and 1.5 mm. objective, condenser and iris diaphragm, net.

\$35.00



P-403



P-404

MICROSCOPES

P-403 Binocular & Loupe HD microscope. Prism line adjustment with micrometer head graduated into 100 divisions, each having a value of .00 mm. Stage 115x115 mm. Distance from base of arm to center of stage 50 mm., permitting with ease the use of 200 mm. Petri dishes. Completely covered with vulcanized rubber, top, bottom and sides. Iris diaphragm in place of stage. Screw sub-stage with upper iris diaphragm, and when supplied with Abbe condenser, lower iris diaphragm also. Accessories as follows can be used: Attachable mechanical stage, dark ground illumination, polarizing apparatus, Camera lucida, measuring device, achromatic condensers. H.D. 30 mm., 1 mm., 1.5 mm. oil immersion, set \$75.00

P-404 With vacuum condenser, set \$80.00

P-404 Binocular & Loupe HD microscope. Handle arm entirely enclosing the fine adjustment mechanism and protecting it from dust. Lever line adjustment securing the highest degree of sensitiveness and uniformity of motion. When the object comes into contact with the glass slide the adjustment mechanism ceases to operate. Stage 115x115 mm., having a distance of 15 mm. from base of arm to center. Completely covered with vulcanized rubber, top, bottom and sides. Iris diaphragm in stage. Screw sub-stage adjustable by micrometer screw and carrying the Abbe condenser and lower iris diaphragm. The condenser is swung to the left of the optical axis when the screw reaches limit of motion. Accessories as follows can be used: Attachable mechanical stage, camera lucida, measuring device. H.D. 10 mm., 1 mm., 1.5 mm. oil immersion, set \$80.00

Do not mutilate catalogue—Specify section letter and number in ordering.



P-405



P-406

MICROSCOPES



P-407

- P-39. Reichert microscope, type 120 with handle, complete with Abbe condenser, iris diaphragm objectives, 2, 1x, and 1.02 oil immersion, semi-spectroscopic eyepieces 2 and 4 and designed triple nosepiece..... \$100.00
- P-38. Leitz microscope with stand of 4, 4, is provided with a plate for handling entirely independent of all adjustments. It has an extraordinarily large stage and a safety device for the coarse and fine adjustment to prevent crushing of specimen and damage of objective. Equipment, 2 objectives, 16 mm., 1 mm. and 1.02 oil immersion (1.5 mm.) Eyepieces 7 and 4, triple nosepiece, iris diaphragm, Abbe condenser, set..... 50.00
- P-402. Spencer demonstration microscope is made of aluminum with the exception of the tube and is therefore very light. The slide is placed upon the stage as in any other microscope, and there is no danger of disturbing the cover glass. With eyepiece and no objective, set..... 5.00
With 16 mm. objective..... 10.00

Do not mutilate catalogue.—Specify section letter and number in ordering.

MECHANICAL STAGES



P-408



P-409



P-410

P-408 Table-top stage, adjustable mechanical stage. This stage affords a very convenient method of conveniently maintaining slides while under examination. It permits one to move them in any direction, to search systematically the entire slide, and to record accurately the location of any field. It is especially valuable when using the binocular microscope in section mounting. The two lock and plane mechanisms are accurate, positive and durable, showing no appreciable wear after long use. It can be readily attached to any of our stands, net..... \$12.00

P-409 The Spenser mechanical stage. On account of its adjustability this is the only mechanical stage which can be used to greatest advantage on the best Spencer microscope (Nos. 25, 35 and 45) with the great advantage from the optical axis to the base of the arm. When so used it has a forward and backward movement of 3 ins. and a lateral extension of 40 ins. greater than that of any other stage. The slide is held so the uppermost the working parts of the stage that its lower edge may be reached with one's index finger. There are no projecting parts to hit the objective when retracted in the microscope, to ease with controlling slide, net..... 20.00

Without controlling slide, net..... 15.00

P-410 Table mechanical stage with forward and lateral movements by rack and pinion, net..... 20.00

The object carrier of these mechanical stages can be removed by sliding the same out, leaving the stationary part secured in the instrument. The microscope stage is then entirely free for other work.

P-40A Table mechanical stage can be attached to the large or medium size mechanical microscope by a clamping device for adjusting to secure the pillar of the microscope by means of which the user can readily fix it to the stand, net..... 25.00

DARK FIELD CONDENSORS, ETC.



P-411

P-411 Spencer's special air lamp is specially designed for the dark field illuminator No. P-412, and also serves most excellently as a lamp for general illumination. With a foot connecting cord, blue glass and ground glass, net..... \$5.00

P-412 Special air lamp for the dark field illuminator, net..... \$4.00

P-412 Spencer dark field illuminator. The construction of this illuminator is such that it can be used on any microscope. In case of holding special diaphragms, net..... \$9.00

P-412 New Spencer dark field condenser. Conforms to latest type of dark field condensers, this new model, which is placed on top of the microscope stage, has the advantage that it can be used on any kind of optical microscope, with or without Abbe condenser, net, type 3, as illustrated..... \$3.00

Condenser B mounted on metal plate, can be fastened on the microscope stage with spring clips, net..... \$6.00

Condenser C is provided with a revolving disc which contains three different sized diaphragms. A and B are glass discs, net..... \$2.50

For illustration and full description of these condensers ask for circular.



P-412



P-413



P-415



P-416



P-417



P-418



P-419



P-420



P-421



P-422



P-423

HYPEREMIA AND CUPPING APPARATUS, SCARIFIATORS

P-441	Scarificator, reversible, with 32 blades.....	\$1.00
P-442	Bier's suction cup for penis, shape on foot with tubing and 3-way stop-cock.....	1.15
P-443	Bier's suction cup for gonorrhea, with tubing and 2-way stop-cock.....	1.45
P-444	Bier's suction cup for penis, Sigmoid, with tubing and 3-way stop-cock.....	2.00
P-445	Bier's suction cup for the trunk, oval shape, with concave rim, with tubing and 3-way stop-cock, 2 1/2 in., \$2.15; 3 1/2 in., \$2.25; 4 1/2 in., \$2.35.....	2.35
P-446	Breast pump with rubber bulb.....	.40
P-447	Rubber bulb copper, size 1/2 inch to 3/4 inch, each.....	.15
P-448	Thin glass cuppers.....	.15
P-449	Bier's suction cup for forearm on the lips, two sizes, each.....	.60
P-450	Breast pump with metal pump instead of rubber bulb.....	1.15

Do not mutilate catalogue.—Specify section letter and number in ordering.



P-422



P-428



P-425



P-426



P-427



P-423

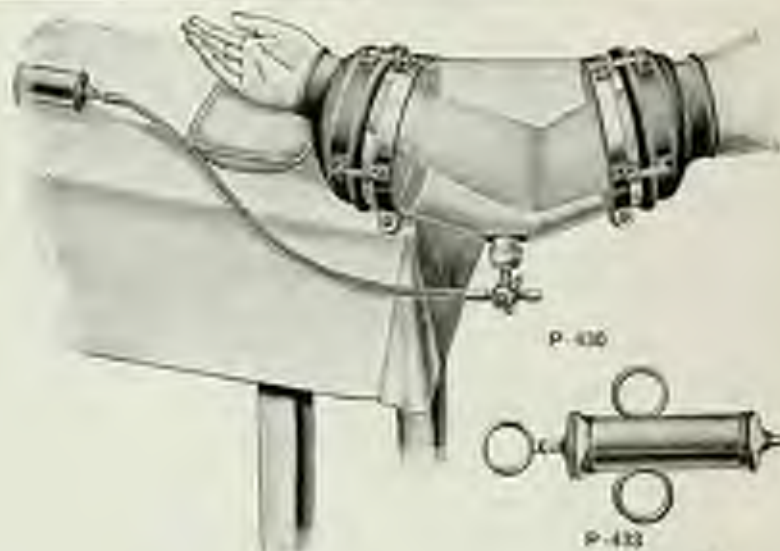


P-424

HYPEREMIA APPARATUS—Continued

P-421	Bier's suction cup for high forehead, 1/2 inch, \$1.50; 3/4 inch, \$2.00; 1 1/2 inch, \$2.50	\$1.50
P-421	Bier's suction cup for the socket of the eye, oral, 1 1/2 inch, \$2.50	2.50
P-425	Bier's suction cup for multiple hemorrhoids, 5x2 inch, \$1.50; 1x2 1/2 inch, \$2.50	1.50
P-425	75x75 inches	2.25
P-426	Bier's suction cup for forehead, 3 inch, \$1.50; 1 1/2 inch, \$1.00	1.50
P-427	Bier's suction cup for forehead, 1 1/2 inch, \$1.50; 1 1/4 inch, \$1.00	1.50
P-428	Bier's suction cup for the hand, with malleable cuff, 10 inch and 1 1/2 inch (this cuff, carried in sleeve, medium size for adult, \$1.00)	1.00
P-429	Bier's suction apparatus for the hand with extra exhaust pump No. P-422. Cup, stuffing of a strong glass tube with low support, one strong rubber cuff with tassels and double metal rings, rubber stopper and sleep sock, without pump, \$8.00; with pump, \$10.00	8.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



P-430

P-432



P-431



P-432

HYPEREMIA APPARATUS—Continued

P-430 Hand action apparatus for the elbow, consisting of a strong glass tube with support, two rubber cuffs with broad flanges and double metal rings, without pump or flexible metal tubing. \$4.00

P-431 Foot action apparatus for the knee, consisting of strong glass tube with support, two strong rubber cuffs with broad flanges and double metal rings, without pump or flexible metal tubing. \$6.00

For more extensive apparatus of this type, ask for special catalogue.

P-432 Manual action pump, medium size, D. 2 1/2; large size. 4.00

P-433 Manual pump, small, with three rings and spring. 2.50

P-434B Hot's aspirator. 1.25



P-433A



No. 5
1 1/4 inch
75c



No. 6
1 1/2 inch
75c



No. 7
1 3/4 inch
75c



No. 8
1 inch
75c



No. 9
3/4 inch
75c



No. 2
5x5 1/2
\$1.00



No. 3
3 1/2 x 4
\$1.00
P. 436



No. 4
2 inch
75c



No. 1, \$1.50



P. 434



P. 435

CUPPING APPARATUS

- P. 434 Parker's cupping outfit, consisting of four metal cups with rubber rim, No. 1, \$1.50; No. 2, \$1.00; No. 3, \$1.00; No. 4, \$1.00. \$5.00
- Assessing glass, 50c
- Extra heavy tubing, per foot, 20c
- Rubber (thin calf) from \$2 to \$4, 2.00
- Parker's cupping pump, 4.00
- P. 435 Y. M. & Co.'s cupping outfit with three glass cups and metal transmitters. Metal pump and stop cocks, 2.00
- P. 436 Holt's vacuum suction apparatus, for use in the method of induction of artificial asphyxia in the treatment of inflammatory diseases. Right glass of cups can be furnished from 1/2 inch in diameter to 1 1/2 inch, from \$2 to \$5, 1.00
- Pump, 1.00

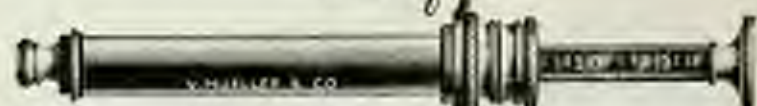
Do not mutilate catalogue.—Specify section letter and number in ordering.



P-437



P-438



P-439



P-440



P-441



P-442

HYPODERMIC SYRINGES

- P-437 V. M. & Co.'s hypodermic syringe, all metal with expanding plunger. This is the most carefully made hypodermic syringe on the market. Syringe only, without needles or case \$1.25
- P-438 Hypodermic syringe, all metal, with expanding plunger, and quality, without needles or case 1.00
- P-439 Hypodermic syringe, all metal, non-expanding plunger, regular, without needles or case .75
- P-440 Hypodermic syringe, glass barrel, metal plunger, without needles or case .50
- P-441 Hypodermic syringe, glass barrel, leather plunger, regular, without needles or case .40
- P-442 Hypodermic syringe, glass barrel and leather expanding plunger .25

Do not mutilate catalogue.—Specify section letter and number in ordering.



P-444



P-443



P-445



P-446

HYPODERMIC SYRINGES—Continued

P-442	Hypodermic syringe, in this metal case, nickel-plated. The syringe in this case is 100—our No. P-441, complete with two needles, 5 vials and wire tube.....	\$2.00
P-443	Hypodermic outfit, containing our syringe No. O-443, two needles, 5 vials and wire tube.....	1.75
	Same outfit with syringe No. P-447.....	2.00
P-444A	Same outfit with all metal syringe, the entire outfit heavily gold-plated, suitable for dentists, so. knives and doctors.....	4.00
P-445	Hypodermic outfit in aluminum case, with 5 vials, two needles, original T. D. style.....	2.00
P-446	Hypodermic outfit in most thin aluminum case, 5 vials, two needles, syringe the same as our No. P-442.....	1.75
P-446A	Hypodermic syringe in ordinary aluminum case, with 1 or 5 vials, either metal syringe P-442 or glass barrel syringe P-441.....	1.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



P-447



P-448



P-451



P-450



P-449

HYPODERMIC SYRINGES—Continued

- P-447 Hypodermic with or with finished metal nickel-plated case. Syringe is the latest type with 12 safety settings, with 7 scale and two needles. \$2.50
- P-448 Hypodermic with "The Military" containing 10 metal syringes, 5 tubes in hard nickel-plated case. 7.50
- P-449 Syringe "Dee Levy and Bandman's." Low type, all glass, capacity 2 cc., with glass plunger, graduated needle and obturator for deep angled injection in the distal venous. 2.75
- P-450 Sub. 12 safety settings, latest type, 10 cc. in 10 increments. Case, 1.25; Syringe, 1.50
- P-451 Metal case containing 10 sets for hypodermic tablets. 1.00
- P-452 Leather case containing 10 sets for hypodermic tablets. 1.00
- P-453 Hypodermic with 12 safety settings, in simple metal case, 1.25; set of needles 1.50

Do not mutilate catalogue.—Specify section letter and number in ordering.



P-456



P-452



P-455



P-454



P-457



P-453

HYPODERMIC SYRINGES—Continued

- P-452 Hypodermic syringe, with two all glass syringes, two needles and two slides in nickel-plated case. \$3.00
- P-453 Hypodermic syringe, with glass barrel, two glass rods and two needles, with two needles in nickel-plated case. 1.00
- P-454 Tabloid hypodermic case, containing 12 tubes of tabloid hypodermic products, B. W. & Co. all glass syringe, two regular steel needles and one steel expanding needle, etc. in aluminum or gunmetal case, \$1.99, in solid silver case. 3.00
- P-455 Tabloid hypodermic pocket case, filled with 12 tubes of tabloid hypodermic products, B. W. & Co. all glass hypodermic syringe and two regular steel needles, in morocco case, \$2.50, genuine or seal leather, \$2.75, crocodile leather 3.00
- P-456 Hypodermic pocket case (The Mouse Shell). It contains a B. W. & Co. all glass hypodermic syringe, two regular steel needles, one expanding needle, 12 tubes of tabloid hypodermic products. In nickel-plated metal case with shank cover. 5.00
- P-457 Hypodermic folding case, Moore's, a single match is sufficient to heat the water and to dissolve the tablet. 50

Do not mutilate catalogue.—Specify section letter and number in ordering.



P-460



P-458



P-461



P-459

HYPODERMIC SYRINGES—Continued

- P-458 Hypodermic, with in leather case, containing four syringes P-460 or P-461, two needles and 5 vials..... 11.75
- P-459 Gottlieb's mercurial syringe. The barrel of this syringe is small and accurately graduated in minims up to 15, and the caps are so arranged that there is accurately no lost space. The plunger is of metal, which is not easily affected by mercury, with 5 steel needles suitable culture and length..... 2.00
- P-460 Hypodermic, with containing the four all glass syringes with two needles and 5 vials, complete in strong metal nickel-plated case, 2 cc., 10 cc., 25 minims..... 2.50
- P-461 Lary syringe, all glass in metal nickel-plated case with two steel needles: 2 cc. 25 cc., 50 cc., 100 cc., 250 cc., 500 cc..... 2.00
- With platinum needles instead of steel needles, extra..... 2.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



P-462

HYPODERMIC SYRINGES.—Continued

P-462 Metal nickel plated case containing set of all glass aseptic Luer syringes and needles for same. Onset contains of one $\frac{1}{2}$ cc. for gray oil, 1 cc. long for tuberculin, 25 min. and 2 cc. for regular antivenereal work, 3 and 10 cc. for serum—used 20 cc. also are specially recommended by the best authorities for the administration of "Salvarsan." The needles in this assortment include every size for which we have an appreciable demand. Other sizes made up specially on request. Complete in metal case.....\$3.00

This assortment is indispensable to the up-to-date physician who does any contemporary work and to every well-equipped hospital.

P-463 This illustration shows the construction of the Crystal aseptic syringe. While this syringe meets the demand for aseptic syringe, it is not nearly as satisfactory as the Luer, for the reason that the plunger is only partially ground into the barrel, consequently does not work as smoothly and satisfactorily as the Luer. The difference in the price is so slight that we advise our customers to buy the Luer syringe in preference to the Crystal. Crystal syringe in metal case with two steel needles, 1 cc., \$1.75; 5 cc., \$2.50; 10 cc., \$3.50; 20 cc., \$5.00.....\$5.00

If platinum needles are wanted in place of steel needles, price is from \$1.00 to \$2.00 more, according to size of needles.



P-463



P-465



P-464



P-466



P-464A

HYPODERMIC SYRINGES—Continued

P-464 and P-464A illustrate the construction of the famous "Exposed" precision syringe. These syringes are made entirely of glass and metal, the metal mounts being attached to the glass barrel with an alloy solder, obviating all possibility of their separating during sterilization; they have no washers or packings of leather or other destructible material and can therefore be rendered thoroughly aseptic by sterilization in boiling water.

The "Exposed" syringes are now in use all over the world and their excellence is acknowledged generally by the medical profession.

P-466 shows the style of case in which all sizes and types of the "Exposed" syringes are furnished. The case is provided with a suitable tray which has four small legs so that the syringe does not come in contact with the outside case.

P-464 This syringe, "Exposed" pattern, 2 cc. for spinal anæsthesia with two steel needles, each with indicator, in metal case. \$5.95

Do not mutilate catalogue.—Specify section letter and number in ordering.



P-967

HYPODERMIC SYRINGES.—Continued

- P-962 Set of "Beevor" syringes, two carb. 1 cc., 1 cc., 5 cc., 10 cc., 20 cc., and 30 cc. "Beard" needles, in fine metal case, complete set. \$15.00
- P-963 "Beard" syringe in metal case (like P-962), 1 cc., with two steel needles. \$1.25; 2 cc., with two steel needles, \$1.50; 5 cc., 2 cc., with two steel needles, \$1.50; 10 cc., with two steel needles, \$1.50; 20 cc., with two steel needles, \$2.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



P-468



P-469



P-477



- P-468 One dozen hypodermic needles in aluminum case with sliding cover, best grade, \$1.90
 P-469 One dozen hypodermic needles in celluloid case, good grade, \$1.50
 P-476 Regular hypodermic needles, each \$0.30; dozen, \$3.60
 P-477 Regular hypodermic stainless needles, from 10 1/2 to 25 1/2, each \$0.30; dozen, \$3.60
 P-478 Large hypodermic needles, each \$0.50; dozen, \$6.00
 P-479 Large stainless hypodermic needles, from 10 1/2 to 25 1/2, each \$0.50; dozen, \$6.00
 P-480 Aspirating needles, small, \$1.50; medium, \$2.50; large, \$3.50
 P-481 Improving trocar for petkin aspirator, \$1.50
 P-482 Petkin aspirator needles, small, \$0.50; large, \$1.00
 P-483 Needle for spinal anesthesia, \$1.50
 P-484 One 1/2 inch, each \$0.15 up; dozen, \$1.80 to \$1.50 according to size
 P-485 Hypodermic needles of gold, each \$2.00; 6 for \$12.00

Note: In various hypodermic or aspirating needles please mention gauge from above illustration.



P-479



P-480



P-481

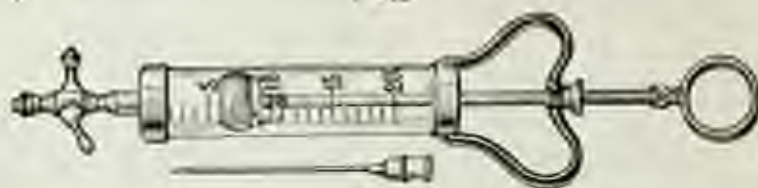
ASPIRATING SYRINGES

- P-479 Aspirating syringe with expanding leather plunger, capacity 2 drachms, stop-cock, linear and canula, three assorted size needles in well made leather covered case with round corners. \$2.00
- P-480 Aspirator alone with the exception of an all metal syringe instead of leather packed syringe. 2.00
- P-480 Aspirating syringe, capacity 2 drachms, all metal with metal expanding plunger, stop-cock,expanding plunger, hypodermic needle, antitonic needle and aspirating needle, complete in metal nickel-plated case. 2.50
- P-481 Potain's aspirator with metal pump and double patent metal valves, three needles, linear and canula, metal connections and rubber tubing, in well made neopile nickel-plated case. The case is made with special tray and metal fittings and entire contents can be removed for sterilization. Omit as described with metal pump. 1.50
- Same with lat pump with leather packing. 2.00

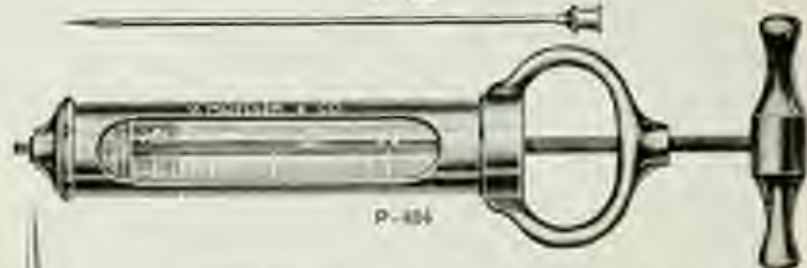
Do not mutilate catalogue.—Specify section letter and number in ordering.



P-432



P-433



P-434

ASPIRATING AND INJECTION SYRINGES

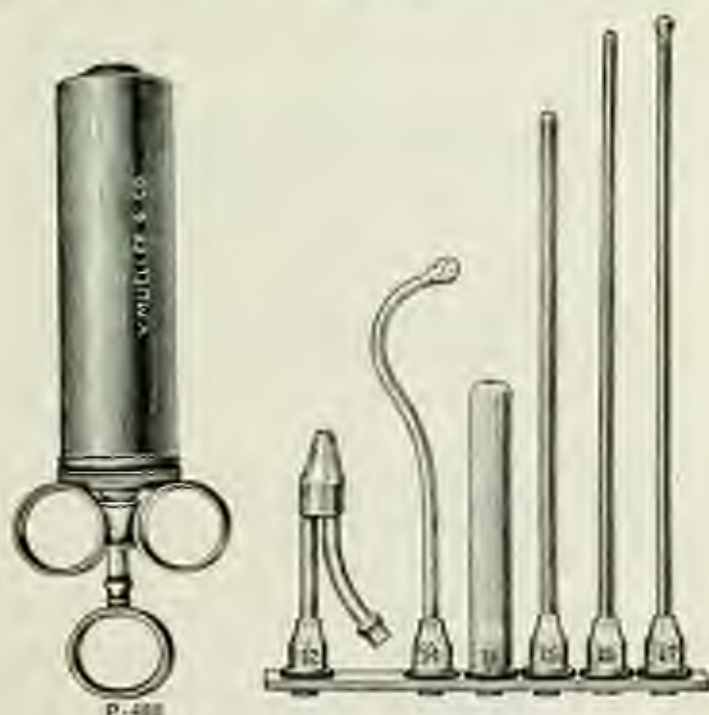
- P-432 Ferguson syringe with metal expanding plunger, hollow metal piston rod holding three sets of injecting trocars. This syringe can be rendered sterile by boiling. Made in two sizes, 15 cc. \$2.50; 30 cc. \$4.00.
- P-433 Harper aspirating syringe, capacity 20 grams, glass barrel with stopcock, piston removable and can be rendered sterile by boiling. 1.00
- P-434 Haysman-Murphy latest model syringe for injecting formalin, turpentine, or glycerine into joints. This syringe is very powerfully built, the walls of the glass barrel are heavy. The capacity of the syringe is 10 cc. on one side the barrel is graduated up to 50 cc. and on the other side up to 2 cc. The plunger and washers can be rendered sterile by boiling. Complete with 2 needles \$1.50
- P-435 Vassar all metal syringe. This syringe has a capacity of 100 cc. The plunger is of metal, very carefully ground into the barrel. Both ends are attached to the syringe by means of bayonet joints instead of threads, therefore less liable to wear. This is the best constructed all metal syringe on the market, net. 5.00
- P-436 Aeschbacher-Cottle aspirating syringe. The plunger of this syringe is of metal carefully ground into a glass barrel. Both ends are attached to the syringe by means of bayonet joints instead of threads. This syringe can be rendered completely sterile and is especially adapted for blood transfusion, etc. Capacity 100 cc., net. 12.00
- P-437 Cottle's E-shaped tube for blood transfusion. This can be attached to either P-436 or similar type. 1.25



P-435



P-436

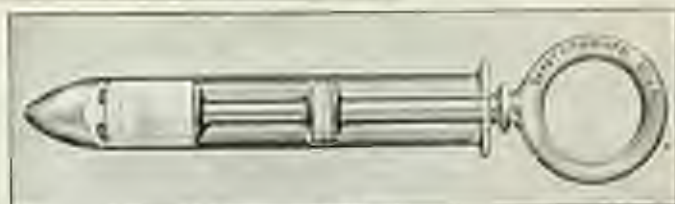


INJECTION SYRINGES

P-488 V. M. & Co's Perfection syringe, made entirely of metal with accurately ground, expanding metal plunger, four (4) tips and universal thread to fit all tips of tips made of brass, heavily nickel-plated.

Capacity	1/2 oz.	1/4 oz.	1/8 oz.	1/16 oz.	1/32 oz.	1/64 oz.	1/128 oz.	1/256 oz.	1/512 oz.
Adjustable tip, for various uses	\$1.75	\$2.00	\$2.25	\$2.50	\$2.75	\$3.00	\$3.25	\$3.50	\$3.75
Tip No. 1 Best dental									
Tip No. 2 Best dental									
Tip No. 3 Best dental									
Tip No. 4 Best dental									
Tip No. 5 Best dental									
Tip No. 6 Best dental									
Tip No. 7 Best dental									
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Tip No. 17 Best dental									

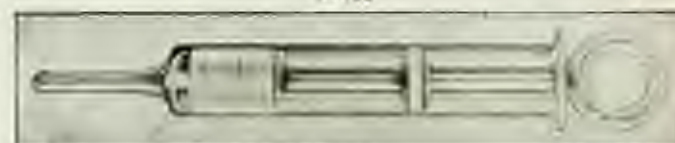
For other large syringes see Section O. Medical Library.



P-485



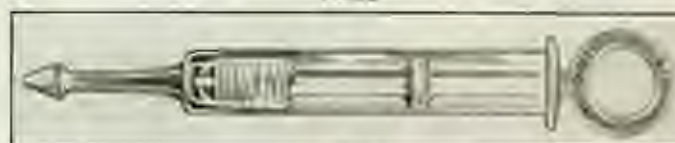
P-490



P-491



P-492



P-493



P-494

INJECTION SYRINGES

- P-484 Triumph syringe is made of heavy annealed glass but will stand boiling. The plunger is wrapped with mineral asbestos packing which does not shed like ordinary asbestos and has a safety cushion at the end of the same material. 1-ounce, \$1.75; 2-ounce, \$1.90.
- P-486 Triumph aseptic syringe, same as above but with curved point. 1-ounce, \$1.90; 2-ounce, \$2.00.
- P-490 Triumph catheter syringe, construction same as described above. 1-ounce, \$2.40; 2-ounce, \$2.60.
- P-491 Triumph curved syringe, construction same as described above. 1-ounce, \$1.90; 2-ounce, \$2.00.
- P-492 Triumph joint syringe, with hollow point for use as above. 1-ounce, \$1.90; 2-ounce, \$2.00.
- P-493 Triumph joint syringe, with curved hollow point, especially adapted for lumbos, etc. 1-ounce, \$2.40; 2-ounce, \$2.60.
- All syringes described on this page are especially well adapted for the injection of the milk paste as suggested by Dr. Kell Beck and Dr. J. Beck.

Do not mutilate catalogue.—Specify section letter and number in ordering.

Section "R"

Deformity and Fracture Apparatus	Crutches, Trusses, Suspensories, Etc.
Splints, Splint Material and Artificial Limbs	Enamel Ware, Rubber Goods and Sick Room Supplies
Elastic Hosiery and Abdominal Supporters	Hot Air Apparatus, Vapor Bath Cabinets and Window Treats

To Our Customers

In presenting this portion of our catalogue to you, we find it impossible to illustrate all the many forms of apparatus that we manufacture; we are therefore obliged to confine ourselves to those patterns which have been found by specialists in this line of work to be the most effective. We are it is position, however, to manufacture braces illustrated in other catalogues, or in medical books, as well as special apparatus designed for special cases by the surgeon in charge.

ORTHOPEDIC APPARATUS



DIAGRAM FOR MEASUREMENTS

1. Circumference of head.
2. Circumference around chin and top of head.
3. Distance from center of base of skull to center of forehead.
4. Circumference at base of skull and around chin.
5. Circumference of neck.
6. Circumference of arm under axilla and over shoulder.
7. Circumference upper part of arm.
8. Circumference of arm over elbow.
9. Circumference above elbow.
10. Circumference at elbow joint.
11. Circumference below elbow.
12. Circumference middle of forearm.
13. Circumference above wrist.
14. Circumference at wrist joint.
15. Circumference of hand, between thumb and knuckles.
16. Distance from center of right to center of left scapula.
17. Distance between axillae.
18. Vertical projections.
19. Circumference below calf.
20. Circumference between calf and ankle.
21. Circumference above ankle.
22. Circumference at ankle joint.
23. Circumference at heel.
24. Circumference at instep.
25. Circumference at ball of foot.
26. Circumference at toes.
27. Sole of foot.
28. Length of sole of foot.
29. Outline of sole of foot.

30. Distance from vertebra prominens to sacrotuberous articulation.
31. Circumference at chest under armpits.
32. Circumference at waist.
33. Circumference at base of thigh.
34. Circumference between crest of ilium and brachial crest of femur.
35. Circumference at trochanter major.
36. Sacrotuberous articulation.
37. Distance from sacrotuberous articulation to vertebra prominens.
38. Circumference of thigh at perineum.
39. Circumference above ball of thigh.
40. Circumference middle of thigh.
41. Circumference above knee.
42. Circumference at knee joint.
43. Circumference below knee.
44. Circumference at calf.

MEASUREMENTS REQUIRED FOR SHOES

- Outline tracing on paper of sole of foot, 4.
 Length of sole of foot, 11.
 Circumferences at 11, 21, 31, 41, 51, 61.

FOR REFERENCE ONLY



Kyphosis.
Posterior Curvature.
R-1



Petta Disease.
Angular Curvature.
R-5



Lordosis.
Anterior Curvature.
R-10



Scoliosis.
Lateral Curvature.
R-15



Talipes Calcaneus.
R-20



Talipes Equinus.
R-25



Talipes Valgus.
R-30



Talipes Varus.
R-35

SPECIAL INSTRUCTIONS

We would call attention to the necessity of accuracy in measurements and explicit instructions for the making of such apparatus. We guarantee every appliance sent out by us to correspond exactly with directions and measurements (provided we, and any mistakes or errors on our part will be corrected without extra cost to patient. As this class of apparatus is only manufactured to order, physicians will see the necessity of requesting their patients to pay a portion of the amount when the order is taken, and the balance on the delivery of the same.

Experience has shown us that appliances of this character are more or less uncomfortable when first worn, and that patients are at that time easily discouraged or dissatisfied with trifling matters; while we will make such changes as are necessary without charge (where the fault is ours), we must ask physicians to persist themselves and as to the fullest extent.

Many physicians of long experience in handling this class of cases collect at least one-third in advance, remit the same to be and direct us to forward the apparatus as soon as finished, direct to the patient, collecting the balance. O. H. thus relieving them of all financial responsibility. We suggest this plan because of the numerous requests made by physicians for an extended credit on appliances of this kind, they claiming that they could not afford to pay so much for them and that the cost and pleasure of their patients.

When shoes are to be made with bones, we urgently request customers to furnish them (sending them to us by registered mail, carefully addressed, for we had it sent to us possible to receive well fitting shoes from manufacturers furnished us, and quite frequently we are compelled to pay a order for in advance of what patients can obtain them for at home. When no bones are shown they are not returnable, as we take no responsibility as to their fitting the patient.

From the fact that no party of bones made to order can be again used, they are not returnable for credit, and if for any reason the order should be cancelled before work is completed the value of the work done must be charged, or if the work is completed the full amount must be paid.

Do not mistake catalogues.—Specify section letter and number in ordering.



R-40



R-45



R-50



R-55



Supported, adjusted to foot



R-70



R-75



R-70



R-70A

ORTHOPEDIC APPARATUS

R-40 Extension shoe, with rock or willow wood sole. Each, each \$5.00 to \$12.00

R-45 Extension shoe, with continuous steel extending frame. 7.00 to 9.00

DIRECTIONS FOR MEASUREMENTS

Have patient stand erect with both feet bare. Place two piles of blocks or books, one under the heel, and the other under the ball of the foot, holding them up until the weight of the patient is evenly distributed, and the pelvis and shoulders are on a horizontal plane. Measure these two piles and forward result to us. Send a well filled shoe.

R-50 Extension shoe, supported. Price from \$10.00 to \$25.00

This apparatus consists essentially of an inlaid sole placed on the inside of the shoe. It is fitted either directly to the inside sole of the shoe, with the uppers enlarged to accommodate the foot, or forms part of an inner shoe or sock, which lines the foot and fits into an outer shoe the size of the one worn on the street last. With either style the dress or trousers cover the projection of the foot, so that no deformity is noticeable.

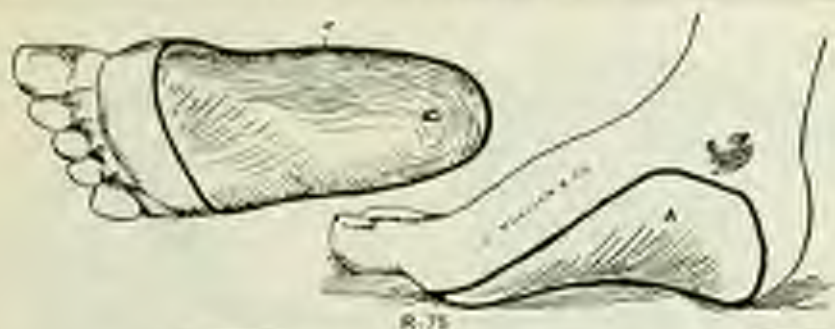
R-55 Ankle brace, Golden's, made of sole leather molded to fit accurately. Each from \$5.00 to \$10.00

R-60 Double brace, Golden's, made of heavy wire in two leather, reinforced with light whalebone. Each \$15.00 to \$20.00

R-65 Apparatus for the ankle, woman's improved form. Each \$1.00 to \$2.00

R-70 and 70A Apparatus for the foot, woman's improved. 2.00

It includes a wooden sole of shoe, whether for right or left foot and arch setting drawing of whole foot, circumference, or width of foot, and great toe.



R-75



R-80



R-80A



R-85



R-90



R-90A

ORTHOPEDIC APPARATUS

- R-75 Arch support, Royal Whitman's. This support is designed to meet special cases of fat feet where the regular stock style of supports will not correct the deformity. They are made of German silver, fitted carefully to the patient's foot at our work-shop, or where it is impossible for the patient to come to our place of business, in a plaster cast of the foot, each..... \$1.00
- R-80 and 80A V. Mueller & Co's arch-toe support, kept in stock in all sizes. This arch we consider the best of the ready-made arch supports, pair..... \$2.00 to 2.50
- R-85 Nathan's arch support, made of flexible material leather covered and is of great help in some cases where the patient's condition is so bad that they cannot wear a metal support, per pair..... 2.00
- R-90 and 90A Arrowsmith's adjustable arch support, made in all sizes, per pair, from..... \$1.50 to 2.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



R-105



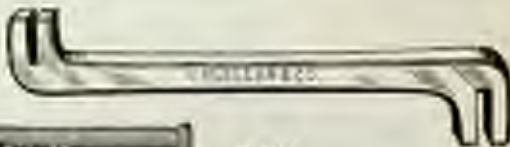
R-100



R-110



R-120



R-115

ORTHOPEDIC APPARATUS

- R-108 Granger's Genoclast. The advantages of this instrument are, its moderate cost, its compactness and the possibility of lifting the limb out at the instrument after the bone has been fractured, with the least possible disturbance of the broken bones. The curved blades are adjustable and may be set at every half inch, the thread of the screw is cut "long," so that pressure is brought to bear with great rapidity and is so rapidly released, set. \$25 00
- R-109 Tape measure, made with three or four legs, then regular. 40
 Best grade. 50
 Best regular. 15
 Best grade. 1 00
- R-110 Illustrating fabric strip of band for the purpose of setting the correct outline of the spine in cases of Pott's disease. Illustrating shows method of procedure. After having taken the correct curve put the strip up a piece of paper and trace the outline and send it in with your measurement. This will be of great help to us in making the apparatus. Per pair of leaf strips. 75
- R-112 Thomas for bending orthopedic apparatus, pair, set. 2 00
- R-113 Thomas wrench for bending orthopedic apparatus, pair, set. 22 00

Do not mutilate catalogue—Specify section letter and number in ordering.



ORTHOPEDIC APPARATUS

- R-125 V. Mueller & Co.'s brace for weak ankle and the correction of flat foot. \$15.00 to \$15.00
 R-126 V. Mueller & Co.'s brace for the correction of talipes rectus. 12.00 to 15.00
 R-127 Vienna club-foot apparatus with rotating screw at the joint. This can be strapped so it can be worn inside the shoe and also to be used at night. \$15.00 to 20.00
 R-128 V. Mueller & Co.'s improved Taylor club-foot brace. 22.00 to 25.00
 R-129 Newton's club-foot apparatus with adjustable ball and socket joint, by means of which the foot can be held in the desired corrected position. \$15.00 to 25.00
 R-130 V. Mueller & Co.'s club-foot apparatus, can be used for the treatment of weak ankles when associated with inverted feet, also for the various forms of talipes varus. By means of the various joints and ratchets, adduction and supination can be secured. Where the case is combined with talipes equinus, an artificial muscle or an endless screw may be employed to correct this deformity. \$25.00 to 35.00
 Measurements required:

1. Patient's name, weight and age.
2. Right or left foot.
3. Length from sole to ankle joint, and from sole to calf.
4. Circumference above ankle and around the calf. For R-125 and R-126 in addition to above measurements, a tracing of the outline of the sole of the foot is required. For R-132 a plaster cast of the foot and leg to below the knee joint.

Do not mutilate catalogue.—Specify section letter and number in ordering.



R-100



R-160



R-165



R-172



R-175



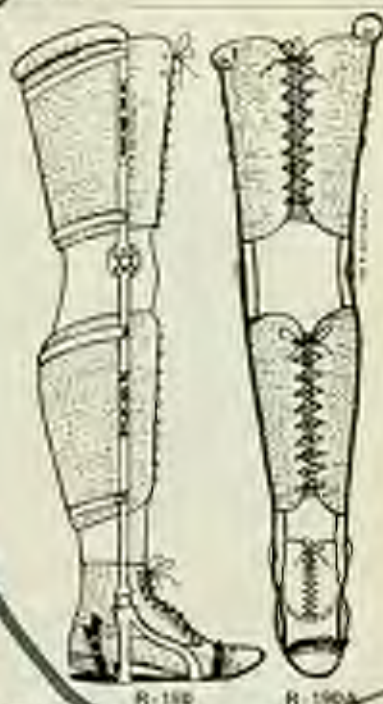
R-180

ORTHOPEDIC APPARATUS

R-35	Knock-knee brace for both legs.....	\$10.00 to \$15.00
	For one leg.....	\$2.50 to \$3.00
R-100	Knock-knee brace, latest improved type. When intended for bow-legs the steel bars extend from the ground to the T-bone-locks on the inside of the leg. For one leg.....	\$25.00 to \$30.00
	For both legs.....	\$50.00 to \$60.00
R-202	Good bow-leg brace, as two steel bars, joint at the ankle and knee and extends from the sole of the shoe to a padded metal band encircling the thigh. A wide band passes around the leg at the point where the deformity is the most acute and is hooked to the inner upright bar.....	\$15.00 to \$20.00
R-226	Weak ankle brace with broad strap at ankle which is fastened to the steel bar on the outside. This is extended for mild cases of weak ankle only.....	\$7.50 to \$10.00
R-275	Single bar apparatus for bowing below the knee joint. This apparatus is very effective where the curvature is situated right above the ankle or at the middle of the leg. A wide elaborated band passes around the curved part of the leg and is fastened by straps to buttons placed in the steel bar.....	\$15.00 to \$20.00
R-300	Weak ankle brace consisting of a well fitting lined shoe, two steel uprights with bands at the ankle and a strong passing under heel and attached to the shoe. When a contracted tendo-achilles is indicated an elastic muscle is added as shown in illustration.....	\$25.00 to \$30.00

MEASUREMENT REQUIRED

- Fig. R-275, 175 and 180, same as for Fig. R-175, etc.
 Fig. R-226, 100 and 160, same as R-175 and in addition the following:
 1. Length from sole of foot to knee joint.
 2. Circumference of knee joint, middle of thigh and body 2 inches below crest of thigh.
 3. Height, left or both legs.
 4. Trailing of leg or legs with patient in recumbent position.



ORTHOPEDIC APPARATUS

W.H. Wiener's Improved brace for club foot. Price each \$25.00 to \$35.00
 The most practical apparatus for the treatment of turns or talus. The special feature of the brace is one that has been found very effective. It is the inner sole, made of German silver, covered with leather, and fastened to the inner edge of the shoe. A strap, passing through a slit in the shoe, fastened to the outer edge, and terminating in an artificial wrist is attached to the side bar of the brace in a fashion just below the padded roll head. When this strap is drawn tight, it lifts up the inner sole, and turns the foot inward and upward, thereby producing a great correcting influence. A cast of the foot in a corrected position should be secured as a guide for the inner sole.

THE WIENER METAL AMBULATORY STYLINT

KNOX and EDNA Price of apparatus for use in uncasted fractures \$25.00 to \$35.00
 Price of apparatus for use in tubercular cases, including cork extension shoe for well leg \$15.00 to \$20.00

This apparatus is designed for treatment of tubercular knee or ankle joint, also in cases of uncasted fractures. It consists of a strong steel frame resting from the thigh flange to the floor, about 15 inches below the sole of the foot. The peroneal or top ring is well padded and the entire weight is transferred from this point to the floor. Wide, padded leather bands above and below the knee are fitted snugly to the flange to hold the brace in position. Extension is obtained by means of straps fastened to the steel sole of the brace; this sole is connected with the peroneal band, bearing the entire weight of the patient, and permitting him to walk without danger of dislodging the diseased limb. A cork extension shoe, having an elevation of 1/2 inch, is worn on well foot in order to raise it to the length of the brace.

When used in cases of uncasted fractures, the brace is fastened direct to shoe, the cork extension and steel sole not being necessary. In order to obtain the best results we require a plaster cast of the limb, together with measurements indicated below:

1. Age, sex, weight, and general condition of patient.
2. Length from sole of foot to ankle joint, inner side of leg.
3. Length from sole of foot to knee joint, inner side of leg.
4. Length from sole of foot to peroneal, inner side of leg.
5. Length from sole of foot to trochanter major, outer side of leg.
6. Circumference of ankle joint.
7. Circumference above ankle joint.
8. Circumference largest swelling of calf.
9. Circumference garter (below the knee).
10. Circumference above knee (lower third).
11. Circumference of thigh (middle third).
12. Circumference of thigh at peroneal.

Do not mutilate catalogue.—Specify section letter and number in ordering.



ORTHOPEDIC APPARATUS

- R-195 Flower leg brace, plain, without joints at the knee. These braces are indicated in very severe cases and on account of their comparative cheapness, well adapted for clinical cases, for new leg. \$10.00
For both legs 20.00

THOMAS' KNEE SPLINT

- R-208 The outer splint consists of a ring and two side-bars of strong iron wire. The ring slopes from without inward, and from before backward, so that the part upon which the inferiority of the tibia rests is its lowest part. It is bent in such a shape that when properly padded it shall fit the outline of the upper thigh, following fairly accurately the gluteo-femoral crease and the groin. The ring is padded with felt and covered with boiled leather. \$20.00
12.50

LOCK JOINT APPARATUS FOR PARALYSIS

- R-209 This apparatus is made for paralysis of one limb. By an improved mechanism the knee-joint is locked while walking, and to enable the wearer to sit down, a lever is arranged at the heel which, when pressed with the finger outside of the clothing, above the knee, unlocks the joint and permits bending of the knee. In sitting and squatting the limb the joint automatically locks itself. The side bars and ankle and knee joints are made somewhat stronger than in those cases in which the patient has control of the knee-joint. A strong piece of elastic webbing, designed to overcome muscular contraction, extends from the sole of the shoe to the bar above the ankle. The movement for the thigh and leg are of strong leather and are well padded. \$15.00
6.00

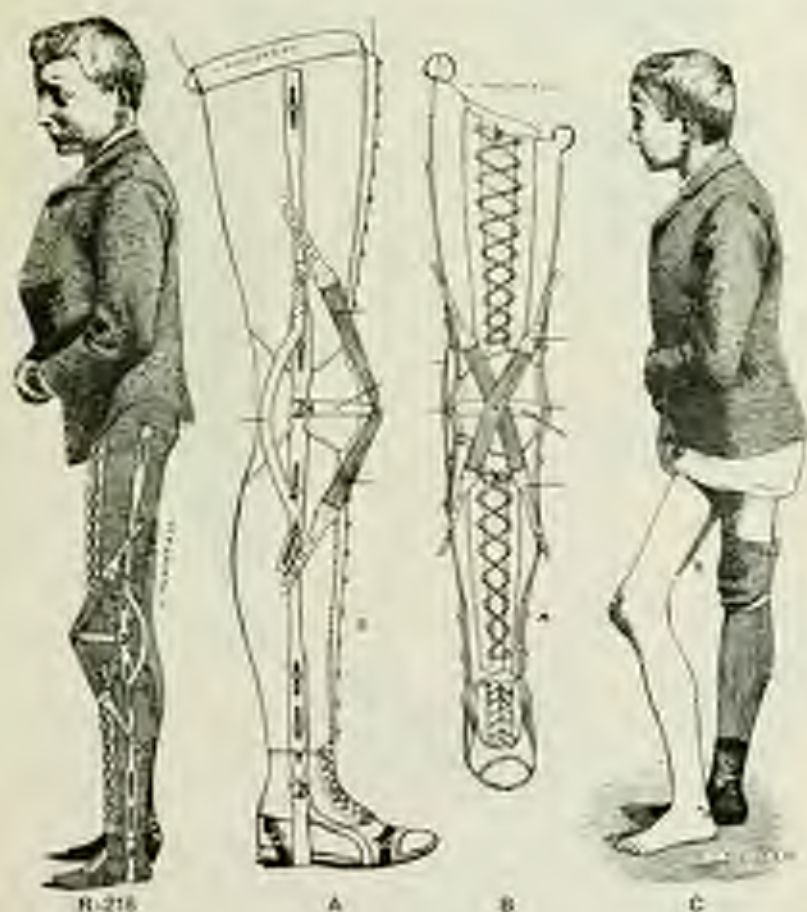
SOLE LEATHER KNEE SPLINT

- R-210 Made of stiffened sole leather, lined with chamois, perforated for ventilation, and reinforced at sides and back with light steel bars. Made to face to front. This splint is especially adapted to cases where the knee requires rest, immobilization, and support. Made easy from plaster cast of leg. \$15.00
22.00

MEASUREMENTS FOR R-208 AND R-209

- Length from sole of foot to ankle joint, to knee joint, and to upper thigh. Circumference above ankle, broad knee joint and upper thigh, and for R-209 tracing of the outline of limb. For R-210 same measurements are required as for R-208.

Do not mutilate catalogue.—Specify section letter and number in ordering.



ORTHOPEDIC APPARATUS

R-215 Hastings's apparatus for the correction of contracted knee joint. This apparatus consists of two leather shells which are carefully molded over a plaster cast from the patient's limb. These shells are connected by steel bars which are adjustable as to length. The brace itself is about two inches longer than limb. The weight of the patient is transferred from the floor to the Tubercle. To the foot piece are fitted straps and these are fastened to the buckles on the shoe. In this way considerable extension and traction is obtained. In addition to this, two strong elastic straps are placed over the knee and a movable steel spring set into the joints at the knee. These straps are a great help to overcome the contraction. On the side of the apparatus is placed an arm by means of which one in addition is secured the brace and prevent the contraction of the limb. \$20.00 to \$40.00

Measurements required are the same as for R-195.

Do not mutilate catalogue.—Specify section letter and number in ordering.



R-220



R-225

ORTHOPEDIC APPARATUS

- R-220 Puller's long insertion leg splint. The basis of this splint is the original pattern of the Taylor long traction splint, to which has been added a thoracic piece made fast by a distal foot. The advantages of the splint are, that it can be applied to a limb in matter how great the degree of deformity. It can be used as a bed splint or a walking splint, and it can be used to completely or partially immobilize, or to give traction without any considerable restriction to motion. \$17.00 to \$25.00
- R-225 Bessing's apparatus for use in cases where knee or ankle joints are dislocated or contracted, combined with either lateral curvature of the spine or Pott's disease. The apparatus for the lower extremity is constructed similar to figure R-220, and is connected with the spinal apparatus by means of a hooked joint. An operation of this type can only be made when we have a good cast of the limb and body, and measurements very carefully taken. It would be best, however, that the patient should be sent to us when such an apparatus is required, in order to fit the apparatus to the patient. \$50.00 to \$100.00

MEASUREMENTS REQUIRED

- R-220 Age, weight and sex of patient.
1. Length from sole of foot to crest of ilium.
 2. Length from sole of foot to center of knee joint.
 3. Circumference of body one inch below crest of ilium.
 4. Circumference of knee joint.
 5. Right or left leg.
 6. General condition of patient.
 7. Length of crest of ilium to axilla.
 8. Circumference of chest under axilla.
- R-225 Age, weight, sex and general condition of patient.
1. Length from sole of foot to ankle joint, inner side of leg.
 2. Length from sole of foot to knee joint, inner side of leg.
 3. Length from sole of foot to patella, inner side of leg.
 4. Length from sole of foot to trochanter major, outer side of leg.
 5. Circumference at ankle joint, above ankle joint, largest swelling of calf, garter line (low knee) above knee (lower third), of thigh (middle third), of thigh at patella.
 6. Length from knee to trochanter major.
 7. Length from trochanter to crest of ilium.
 8. Circumference of pelvis 2 inch below crest of ilium.
 9. Length from trochanter major to axilla.

Do not send this catalogue.—Specify section letter and number in ordering.



ORTHOPEDIC APPARATUS

R-235. Thomas' hip splint. Price, leather covered \$25.00 to \$35.00
 Extension, wire 5.00 to 10.00

This apparatus is designed to immobilize the hip joint, and consists of a flat wood posterior band extending from the scapula to the calf of the leg, a band passing around the chest, a band passing around the pelvis below the iliac crests, a band around the middle of thigh, and one around the calf. If necessary shoulder straps are attached to the chest band to hold brace in proper position. The splint is designed to be worn with an extension on the sound foot, as illustrated.

THE WIENER-MUEHLER AMBULATORY SPLINT No. 1

Price including cork extension shoe, Fig. C..... \$50.00 to \$75.00

This brace is designed for the ambulatory treatment of tubercular knee and hip joint disease. It is constructed on the same general lines as the No. 120 with the addition of a pelvic band and where absolute immobility is required the side bar is carried up under the arms and a band added passing around the chest. All joints are made so they can be fixed when immobility is required, and can be made movable when total action is deemed advisable. It is also valuable in cases of paralysis. Patients have been enabled to walk with this brace when all other means have failed utterly. The same cost and measurements are required for this brace as for R-240 with the following additions:

11. Length from knee to trochanter major.
12. Length from trochanter to crest of ilium.
13. Circumference of pelvis 1 inch above crest of ilium.
14. Length from trochanter major to ankle.

The last two measurements are supplied only when absolute immobility is required.

Do not mutilate catalogues.—Specify section letter and number in ordering.



R-245

ORTHOPEDIC APPARATUS

R-270A

R-275B

R-245 Davison's modification of Thomas' hip splint. (Price including cork extension, like Fig. K.

This splint is used in hip joint troubles and fractures of the neck of the femur in old people. The splint is more easily applied and more comfortable than the regular Thomas splint. The general construction is the same as in the Thomas splint, with the addition of padded leather shafts on the original iron bands of Thomas' instrument. These and pelvic bands are well padded and comfortable. A well padded strap passes under the tuber ischii and is fastened to the pelvic band in the rear, thus supplying comfort extension. The detachable knee it is attached by means of straps to the shoe, which is furnished with leather.

This splint is especially desirable when the surgeon finds it necessary to get the patient up and moving around. The entire limb is extended in the frame and because it keeps the leg in proper position. An extension shoe 11, or 12 inches high is worn on the second limb. Patients must furnish their own laced shoes.

R-250 The illustration of a plain Thomas splint gives an idea of the improved comfort obtainable from a Davison splint.

R-255 Elastic Top Crotch, rock mount, arm rests of best Russia goat, Whitmore leathers, full sized linings, per pair..... \$7 00

R-260 Elastic Top Crotch, rock mount, arm rests of best Russia goat, Whitmore leathers, full sized linings, per pair..... 7 00

R-270 Crotch, plain soft, rock mount, with large wood arm piece, hand rest, leather, strong and well made..... 1 00

R-275 Crotch, plain soft, pair..... 1 00

R-275A Crotch, cloth insertion, Whitmore's, 2 sizes, per pair..... \$0 25, \$0 35, 50

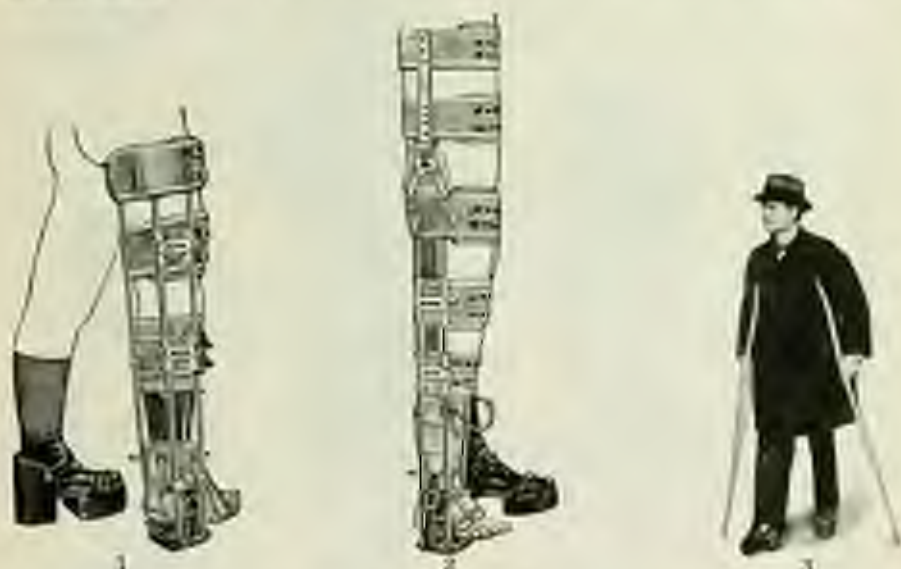
R-275B Crotch, cloth insertion, 2 sizes, per pair..... \$0 25, 50

R-275C Crotch, cloth insertion, 2 sizes, per pair..... 50

Do not mutilate catalogue.—Specify section letter and number in ordering.

AMBULATORY PNEUMATIC SPLINT FOR FRACTURES

Of the hip, thigh, patella, knee, ankle, tibia, radius of forearm, ulna, forearm, wrist, hand, foot, ankle, knee, hip joint disease.



FRACTURE APPARATUS

1. Adjustable to right or left limb. Showing application of splint with posterior padded cardboard splint for fractures of the leg, knee and ankle. This apparatus is shown in use for knee joint disease and fractures of the femur.

Price to patients, \$4.00.

2. Adjustable to right or left limb. Showing application of splint with hip joint immobilizing attachment, padded belts for fractures of the femur, neck of the femur or hip joint disease. Also shows adhesive strip traction with posterior padded cardboard splint and lock joint fastener which permits patient when in recumbent position, to recline at an angle or to sit down as may be directed by the surgeon.

Price to patients, \$10.00.

The Splint. It is made in two sizes, child's and adult. It may be applied to either limb and adjusted to patients of various sizes.

It will give perfect satisfaction to patient and surgeon and will wear for years, and being washable, may be applied any number of times for the various purposes for which it is used.

DIRECTIONS FOR ORDERING:

State: Nature of fracture? Length of limb, size of limb to measure? (Transfer care thick at points). Right or left limb? Show for male or female? If the fracture of upper third or neck of femur or hip joint disease, also state: Circumference of limb? Around chest? Note of foot to arm pit?

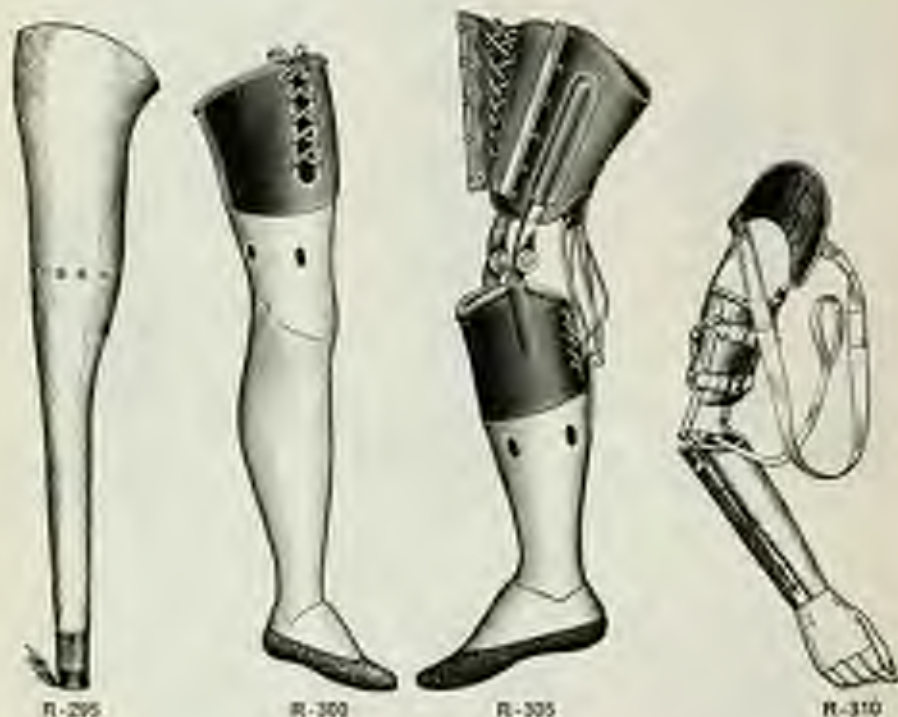
With this information we will send splint adjusted ready to comfortably fit patient, with all parts fully tagged and application notes enclosed and guaranteed to give perfect satisfaction.

PRICES TO PATIENTS

E-25 Ambulatory Pneumatic Splint with shoe, little key and pump.....	\$4.00
E-26 Hip Joint Immobilizing Attachment.....	10.00
E-25 Compound Key (for shortening or shortening four screws of splint footrest).....	5.00
E-26 Case for complete outfit.....	5.00

Prices net. 2 per cent. discount given for cash with the order or C. O. D.

Do not mutilate catalogue.—Specify section letter and number in ordering.



ARTIFICIAL LIMBS, ETC.

- R-295 Peg leg for thigh amputation. With or without knee joint. Brass ferrule and rubber bottom. Complete with shoulder straps..... \$25 00 to \$30 00
- R-300 Artificial leg for thigh amputation. Made with wood, leather or patent alip socket. Complete with shoulder straps and stump sock..... \$25 00 to \$30 00
- R-305 Artificial leg for amputation below knee. Made with wood, leather or patent alip socket. Complete with shoulder straps and stump sock..... \$25 00 to \$30 00

Unless specified otherwise we furnish all artificial limbs with patented felt foot and verdine ankle joint. We also make wood and rubber feet with or without ankle joint.

- R-310 Artificial arm with detachable hand furnished with hook, fork and brush \$20 00 to \$25 00

Write for our complete catalogue of artificial limbs and interesting blanks. Describe your case in detail.



R-315



R-320



R-325



R-330



R-335



R-340



R-345



R-350

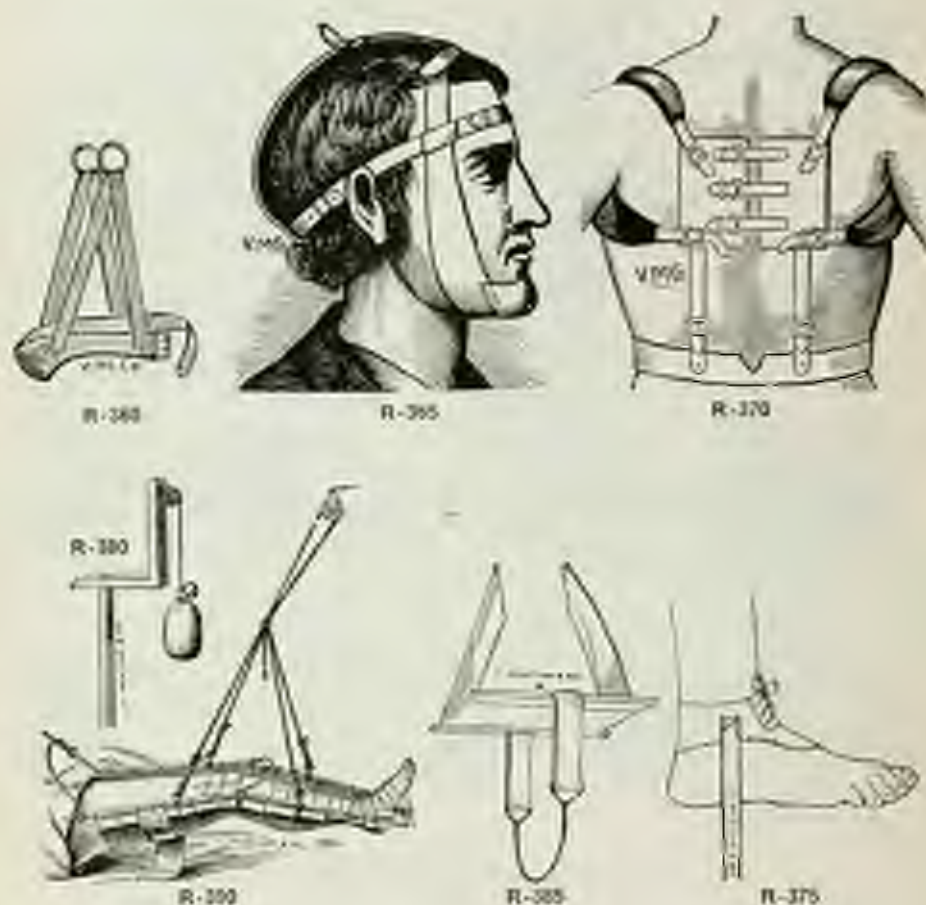
HUMANE RESTRAINT APPARATUS



R-355

R-325	Anklets with large buckle, set.....	\$4.00
R-320	Anklets with small buckle, set.....	4.00
R-325	Leather mitts and wrist strap, set.....	8.00
R-330	Wristlets lined with best buckskin, set.....	4.50
R-335	Mitts strap with buckle lock, set.....	2.50
R-340	Lock wristlet with flange and wrist, set.....	3.00
R-345	Cervical mitt and wrist strap, set.....	3.00
R-350	Cervical mitt with wrist strap, set.....	3.00
These mitts and wrist are of dark cowhide and washable. Wristlets are lined with buckskin.		
R-355	Straitjacket made of heavy duck.....	7.50

Do not mistake catalogue—Specify section letter and number in ordering.



FRACTURE AND EXTENSION APPARATUS

R-365	Graham's extension for use in cervical Pott's disease.....	\$1 00
R-366	Headpiece splint for the inferior maxillary, consists of a leather strap passing under the chin and buckled over the top of the head. It is stayed by two curved strips of wood, one passing horizontally across and the other over the top of the head.....	4 00
R-370	Supra-sternal splint.....	4 00
R-375	Leather ankle with straps for use in connection with Pott's extension in case of tubercular knee or hip.....	1 50
R-380	Extension to be attached to the foot of the bed with rope and pulley.....	1 50
R-385	Extension for use in connection with tractions, contractions or subcutaneous plates.....	1 00
R-390	Hoover's suspension splint, glass wire with cord and pulley, \$1.50, made out of square tubing and adjustable in every direction.....	1 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



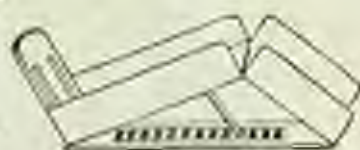
R-295



R-400



R-405



R-410



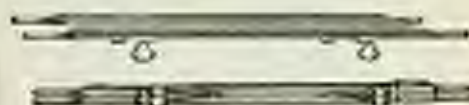
R-425



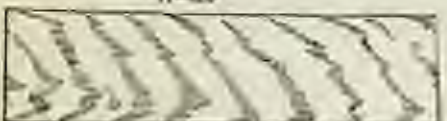
R-415



R-420



R-425A



R-430



R-435

W.M. Co.

SPLINTS AND SPLINT MATERIAL

R-295	Lee's double inclined plane splint.....	\$2.00
R-400	Lee's combined expansive splint.....	5.00
R-405	DePuy's combination splint for adults or children, each.....	10.00
R-410	Fracture box, double inclined plane, sides of box on hinges.....	2.50
R-415	Fracture box, plain, foot board slotted for extension, sides of box on hinges.....	2.50
R-420	Walker's foot-line splints are made in 3 sizes, flasks and 10 lbs. set of 30 inches.....	7.50
R-425	Single splint, each and size.....	1.00
R-425	Combination cot and stretcher, folded is 17 ft., four by about 4 inches square; it is covered with 12 oz. army cloth and weighs 15 lbs.....	2.00
R-425A	U. S. A. stretched without slings.....	8.25
	Extra for slings.....	2.00
R-430	Coaptation splints, plain, see down splints.....	.40
R-435	Splint material, wood fiber, can be molded after being inserted in hot water for a few minutes, sold in sheets about 20 in.....	1.25

Do not mutilate catalogue—Specify section letter and number in ordering.



R-440

LEE'S METAL SPLINTS

Small Lee's metallic perforated splints.

Figures 1, 2, 3, 12, 13, 14, 15, 16, 18, 19, 20, and 21, each.....

\$1.00

Figures 4, 5, and 11, each.....

.75

Figure 6, each.....

.75

Figure 22, each.....

1.50

The heavy metal splints in which is two sizes, adults and children's. Send for circular and

prices on complete sets.

Do not mistake catalogues.—Specify section letter and number in ordering.

R-445
ADJUSTABLE WIRE SPLINTS

R-445 DePuy's adjustable wire splints.

Figure 1, elbow, adjustable, adult and children's, each.....	25.00
Figure 2, forearm, clavicle, adult and children's, each.....	25.00
Figure 3, wrist, adjustable, adult and children's, each.....	25.00
Figure 4, forearm, special, adult \$2.00; children's \$1.50; infants.....	1.00

Figure 5, adult posterior.....	1.00
Children.....	.75
Figure 6, forearm, adult posterior, right and left, each.....	1.00
Figure 7, hand, right or left, adult.....	1.00
Children.....	.75
Figure 8, tibia and fibula, adult anterior.....	1.00
Children.....	.75
Figure 9, tibia and fibula, adult posterior.....	1.00
Children.....	.75
Figure 10, tarsal ankle, right or left.....	1.00
Adult.....	.75
Children.....	.50
Figure 11, tarsal ankle, right or left, adult.....	1.00
Children.....	.75
Figure 12, tarsal ankle, adult posterior.....	1.00
Children.....	.75
Figure 13, tarsal ankle, adult anterior.....	1.00
Children.....	.75
Figure 14, set, cast splints, 11 pieces in set.....	2.00
Used for fixation and preservation of complete sets.....	
R-255A Aluminum brace splint, each, does.....	20.00

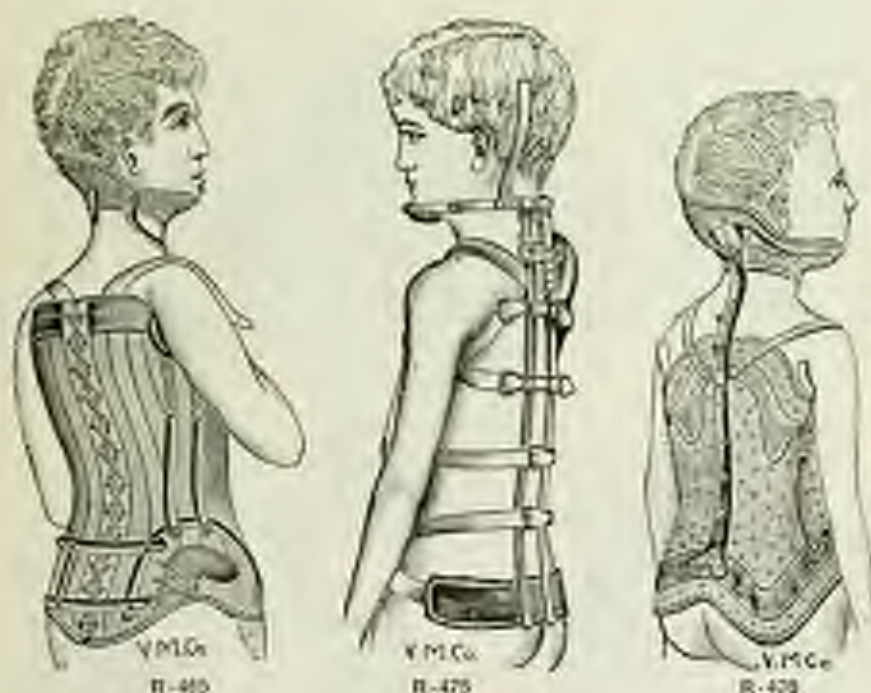




ORTHOPEDIC APPARATUS

- B-448 Vienna spinal correct and be used in the treatment of either scoliosis or kyphosis, but it is usually to be recommended for the former deformity. The appliance is made of strong steel and spring steel work, supports the entire portion where the steel should be applied. It is laced front and back admitting of easy removal or application. Auxiliary crutches support the front, and the curved fitting of the steel parts over the hips gives a good foundation to a proper corrective force. If the patient cannot come to our establishment for fitting a plaster cast of the body, which would extend low down over the pelvis, is absolutely necessary in order to guarantee a good fit. \$25.00 to \$40.00..... 42.00
- B-449 V. Mueller & Co.'s extension correct brace for lateral and posterior curvature. This corset is made of strong gray malleable, reinforced with whalebone strips, a steel pelvic band, adjustable over the sacrum, is curved to fit over the crest of ilium, so that the weight of the extending crutches rests on the solid parts. The crutches are adjustable and may be extended as the growth of the patient or the improvement in the case may require. A broad band of strong elastic webbing carrying a flat pad is attached to one of the side supports, and passing round the back is attached to the opposite on the opposite side. In some cases two of these elastic bands are required, especially when the spine is curved. In Pott's disease they are placed in an entirely different position from those shown in illustration. A constant elastic pressure is exerted upon the protrusion by this method, which is more effective and less irksome than the screw mechanism and steel rods employed in most of the spinal apparatus now in use. If it is impossible to send the patient to us for fitting, a plaster cast of the body must be sent us, in order to insure a perfect fit and obtain the best results. \$20.00 to \$30.00..... 30.00
- B-450 Padded summer jacket reinforced with steel bands for action patients sufferers of the spine. Where necessary we add in this corset, crutches same as described in style 449. Owing to the fact however, that such an apparatus cannot be tolerated we do not recommend same in cases of growing children. Plaster cast is necessary. \$20.00 to \$30.00..... 30.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



ORTHOPEDIC APPARATUS

- R-465** Vienna spinal corset. This is practically the same apparatus as our R-420 with the addition of a head rest in cases of torticollis or Pott's disease. For this apparatus the same measurements are required as for R-420 and in addition a plaster cast of the neck, slight up under the ears and around chin, in order that we may be able to mold the leather collar for head rest, \$40.00 to..... \$75.00
- R-479** Male leather jacket for use in cases of Pott's disease, tuberculosis, etc. This jacket is reinforced with steel bands and catches for the purpose of extension are added when necessary. In order to make such an apparatus we require a carefully prepared plaster cast of the body, neck and lower part of the head. In case of this kind, however, it is more satisfactory if the patient can be sent to us for fitting. \$60.00 to..... \$75.00
- R-475** Taylor's brace for posterior curvature with attachment for diseased cervical region. It consists of a semi-rigid band well padded, two steel spinal uprights fitting on each side of the spinous processes, two horizontal steel bars crossing the uprights at the scapulae, and two padded steel pieces attached to the uprights, fitted to embrace the neck firmly, two shoulder straps fastened to these curved pieces, passing over the shoulders under the axillae and working to the upper horizontal bar. An apron in front is attached to the lower horizontal bar and pelvic band to sustain the abdomen and erect necessary, without head rest. \$25.00 to..... \$50.00
- With head rest, \$80.00 to..... \$100.00



ORTHOPEDIC APPARATUS

R-483 Plaster Paris jacket.

Where surgeons furnish us the jacket we will cover same and sew on front and edges leather strips, also hooks or eyelets for lacing. \$25.00

R-485 Plain spinal extension apparatus for use in Pott's disease. \$25.00 to \$35.00

R-485 Washburn's head rest, can be attached to either a Taylor spinal brace, and leather laced at plaster Paris cast. In cases of wry-neck. Consists of a well padded metal collar which is made in two parts, therefore can be easily applied and removed. The limits in the head are so arranged that the head can be given free antero-posterior as well as rotary motion as shown by the dotted lines. \$25.00 to \$35.00

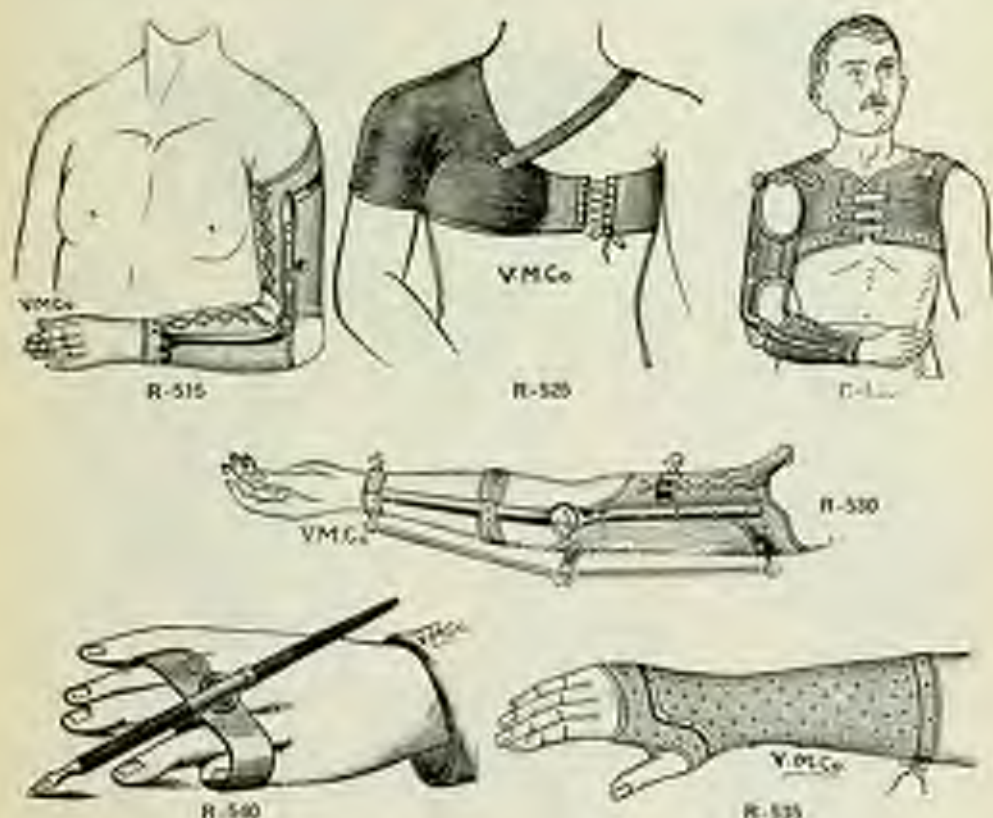
R-485 T. Macfar & Co's apparatus for torticollis. This apparatus consists of a well padded collar for the neck and chest, and a well fitting collar for the head, which is made after a plaster cast. On each side of the neck as well as in front is an arrangement by means of which extension can be secured. This apparatus is the most effective and can be worn with the least discomfort to the patient. In order to secure an accurate fit the patient should be sent to our establishment. \$25.00 to \$35.00

R-500 Robert's apparatus for torticollis, \$25.00 to \$35.00

R-505 Noyes's jaw mast for incorporation in a plaster jacket. \$25.00

R-510 Noyes's suspension apparatus with plain gutters. \$5.00

Do not mutilate catalogues.—Specify section letter and number in ordering.



ORTHOPEDIC APPARATUS

- R-515 Apparatus for use in treated fracture in cases of fall joint, etc. Made of light sole leather lined over a carefully prepared cast. Light steel bars with a lock at the joint where it is indicated, \$20.00 is..... \$20.00
- R-520 Dillist's apparatus for habitual luxation of shoulder joint. It is also indicated in tubercular cases and ununited fractures, etc., \$60.00 is..... 15.00
- R-525 Elastic shoulder piece, for preventing dislocation of shoulder joint. This apparatus is to be worn after reduction of a dislocated humerus, to guard against recurrence. It is made of silk elastic, with a suitable shoulder cap. Directions for measurement: 1. Patient's weight. 2. Right or left shoulder. 3. Circumference of arm. 4. Circumference axilla to acromion. 5. Circumference of chest under axilla.
Medium..... 7.50
Large..... 9.00
- R-526 V. Mueller & Co.'s apparatus for use in cases with contracted muscles or where the bones are ankylosed. The apparatus is so arranged that traction can be used either on the inside by means of elastic straps or on the outside by means of steel springs, etc., \$20.00 is..... 60.00
- R-527 Triet and hand piece, made of light perforated sole leather, reinforced with light steel springs where indicated. This is to be recommended in cases of subluxation of the joint after fractures and sprains, etc., \$20.00 is..... 12.50
- R-528 Nussbaum's apparatus for writer's cramp. The appliance consists of an oblique cast ring to which a pen holder is fastened in such a position that the pen will easily touch the writing paper when the hand is raised upon the desk. Make a tracing of the hand on paper, taken while all fingers are fully extended and send with order..... 8.50

Do not mutilate catalogue.—Specify section letter and number in ordering.



R-545



R-550



R-550A



R-555



R-560

SHOULDER BRACES

- R-545 Gray shoulder brace with suspenders, large \$2.00, youth's \$1.50, men's \$1.75
 R-550 and R-550A Gray's back supporting shoulder brace for ladies, 1 size, each \$2.25
 R-555 Corset back shoulder brace, rippled springs, covered with fine Jess. silk 36 in. 15
 inches back 1.75
 R-560 Steel spring, leather covered japanned spring, with shoulder caps, size from
 18 in. 15 inches back 3.00

Do not mutilate catalogues—Specify section letter and number in ordering.



R-565



R-570



R-575



R-580



R-585



R-590



R-595



R-600



R-605

SHOULDER BRACES, WRISTLETS, ETC.

R-560	Upright shoulder brace, lateral model, stainless steel's and bone, each.....	\$2.00
R-570	Upright shoulder brace, lateral model, stainless steel's and bone, each.....	1.25
R-575	Apparatus to prevent mouth breathing during sleep, made in two sizes, each.....	1.00
R-580	Universal ear cap to prevent projecting ears.....	1.00
R-585	Apparatus to prevent projecting ears, specially adapted for boys, made in two sizes, each.....	1.50
R-590	Wristlet made of wood or leather, reinforced with whalebone stays.....	.25
R-595	Wristlet and arm brace made of cotton or leather, reinforced with whalebone stays, \$1.00 is.....	1.50
R-600	Leather wristlet, single buckle.....	.00
R-605	Leather wristlet, double buckle.....	.25

Do not mutilate catalogues.—Specify section letter and number in ordering.

THE ROMPLER SEAMLESS STOCKING

MADE TO ORDER ONLY

Time needed for delivery, one week.
Possessing all the advantages of the old band but is woven absolutely without seam and so does not chafe the foot or cause uneven pressure at the joints.

There is no binding to twist or wear out. They will not tear while pulling on, and will retain any effect stocking made.

A perfect support for various veins or weak joints, giving an even pressure without constriction at any point.

Made in all lengths of the best quality of silk or rayon.



R-880B

Hindograph Elastic Bandage is made like our "Bandage" supporter of covered rubber and soft little threads, affording the necessary pressure. The open weave material produces a light, porous and much stronger bandage than that made of rubber saturated.



1/2 in. x 2 yds.	(stretched).....	\$1.01	3 in. x 5 yds.	(stretched).....	\$1.21
1/2 in. x 3 yds.	(stretched).....	.41	1 in. x 5 yds.	(stretched).....	.30
1/2 in. x 4 yds.	(stretched).....	.60	1 1/2 in. x 5 yds.	(stretched).....	1.00
1/2 in. x 5 yds.	(stretched).....	.80	2 in. x 5 yds.	(stretched).....	1.30
1/2 in. x 6 yds.	(stretched).....	.90			



R-875



R-880



R-880A

ELASTIC STOCKINGS AND BANDAGES

	Light	Heavy	Flu-
R-875 Bompler's seamless garter, A to C.....	\$1.50	\$2.75	\$2.00
R-876 Bompler's seamless knee caps, E to G.....	1.25	1.00	1.00
R-877 Bompler's seamless garter hose, A to F.....	4.00	4.50	3.00
R-878 Bompler's seamless knee hose, A to H.....	4.00	4.50	3.00
R-879 Bompler's seamless thigh hose, A to I.....	4.00	4.50	3.00
R-880 Bompler's seamless garter leggings, C to E.....	4.00	4.50	3.00
R-881 Bompler's seamless knee leggings, C to H.....	4.00	4.50	3.00
R-882 Bompler's seamless thigh leggings, C to I.....	4.00	4.50	3.00
R-883 Bompler's seamless thigh piece, G to L.....	1.00	1.25	1.00
R-884 Bompler's seamless wristlet.....	1.00	1.25	1.00

These prices are for rollcuts for single pieces. An additional charge is always made for extra large sizes.

R-875 Bom's elastic webbing, any, made in three widths, 1 1/2, 2 and 3 inches, per yard \$1.25, \$1.50 and \$2.00.

R-880 Bomber's Ideal Bandage, measures 4 yards in length when stretched, made in 3 widths from 1 to 3 inches, per dozen from \$1.25 to \$2.00.

R-880A Pure gum bandages with tapes attached. Pure gum bandages are sold by weight and the price is subject to market fluctuation. Made 1 1/2, 2 and 3 inches wide.

length 6, 9 and 12 feet.

Present market price, per oz.....



R-885



R-896



R-895



R-899

SPECIAL ABDOMINAL SUPPORTERS MADE TO ORDER

R-886	Abdominal supporter, elastic, with pad for support abdomen after operation, cotton, \$1.00 ea.	\$11.00
	Heavy silk, \$12.00 ea.	12.00
R-887	Abdominal supporter, elastic, with pad for support abdomen, cotton, \$1.00 ea.	12.00
	Heavy silk, \$12.00 ea.	12.00
R-888	Abdominal supporter, elastic, with pad for use after operation for appendicitis, cotton, \$1.00 ea.	12.00
	Heavy silk, \$12.00 ea.	12.00
R-889	Abdominal supporter, elastic, combined with hard rubber bow modified from cotton, \$1.00 ea.	12.00
	Heavy silk, \$12.00 ea.	12.00

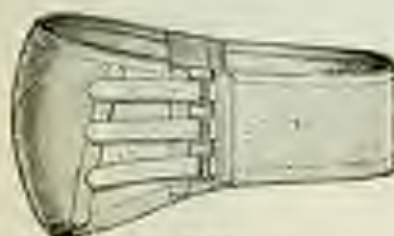
Do not mutilate catalogue.—Specify section letter and number in ordering.



R-905



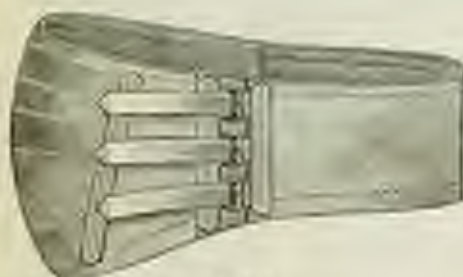
R-912



R-915



R-920



R-925



R-930

ABDOMINAL SUPPORTERS

R-905	Mergal's abdominal supporter, made of light canvas lined with woolen	\$4.00
R-908	Abdominal supporter, Tenfeld's pattern, with lift-up straps	4.00
R-915	Abdominal supporter, with buckles on side, recommended for men, cotton, \$1.00; silk, \$2.00	7.50
R-920	Abdominal supporter, lined in back, a substantial and well shaped supporter, cotton, \$1.00; silk, \$2.00	7.00
R-925	Elastic abdominal supporter, made to order, woven to fit accurately and of superior quality, buckles on side, recommended for men, heavy cotton, \$5.00 to \$10.00; heavy silk, \$10.00 to \$15.00	15.00
R-930	Elastic abdominal supporter, made to order, woven to fit accurately and of superior quality, lined in the back, heavy cotton, \$5.00 to \$10.00; heavy silk, \$10.00 to \$15.00	15.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



R-933



R-940



R-955



R-964



R-945

ABDOMINAL SUPPORTERS

- R-933 Elastic covered elastic abdominal supporter, made in three widths, 8, 10 and 12 inches, \$1.50, \$2.25 and \$3.00. Rubber portulac straps and suitable loops for same can be attached for \$0.25 additional.
- R-940 V. Mueller & Co.'s covered elastic abdominal supporter, made in three widths, 8, 10 and 12 inches, \$1.00, \$1.50 and \$2.25. Understraps and loops \$0.25 extra.
- This supporter is made of the best quality unscrupled Ray Island cotton, which is far superior in wearing quality to anything here before offered. The supporter is plain in color and is finished with leather of the same shade. It is particularly recommended for patients with large and pendulous abdomens.
- R-945 Abdominal supporter, genuine anti-skin, regular. \$2.50
Made of extra quality muleskin with soft facing, loops and elastic understraps. \$0.50
This supporter is specially adapted for obesity and postoperative use in men.
- R-954 Linen mesh supporter, faced front. This supporter can be slipped under the patient while in a recumbent position, and the abdomen can be made for the necessary dressings. There are no buckles or laces in back or sides. \$1.50
- R-955 Linen mesh supporter, with full web straps and protected buckles, no elastic. These supporters are soft and comfortable, the open mesh allows free circulation and readily absorbs and eliminates the body moisture; they can be washed the same as any other article of underwear. \$4.00
Understraps can be furnished for R-954 and R-955 at \$0.25 a pair.

Do not mutilate catalogue.—Specify section letter and number in ordering.



R-990



R-986



R-970A

R-970



R-985



R-975



R-980



R-985

SUPPORTERS, PADS, ETC.

R-990	V. Mueller & Co's abdominal supporter, broad in back, with front.	\$1.50
	Same as above, without front.	1.75
R-986	Supporter for use after operation for gall stones, etc. When indicated this supporter is supplied with shoulder straps and a pad over the wound. It is also to be recommended for children afflicted with whooping cough. \$1.00 to	6.00
R-970	London abdominal supporter, ordinary.	2.00
R-970A	London abdominal supporter, made of good leather and water with elastic under- straps. This supporter is specially recommended for use after a hernia operation.	2.50
R-975	Melbourn's latest style supporter, supplied with any one of the stems or cups illustrated.	2.00
	Extra cups or stems, each.	.50
R-980	Kidney pad, vulcanite covered.	.50
R-985	Dunning's kidney pad, rubber inflatable.	1.75
R-990	The safety double strength electric belt.	
	Prices according to the grade of fabric, \$5.00 to.	30.00



R-995



R-1000

FIGURE 995 AND FIGURE 1000 FOR REFERENCE ONLY

R-995 Illustrates the positions of the most Common Hernias such as Umbilical Hernia, Right Inguinal Hernia, Left Inguinal Hernia, Right Femoral Hernia, Left Femoral Hernia and Scrotal Hernia. When ordering a truss for your patient please always state for which of the above mentioned ruptures the truss is intended.

R-1000 Illustrates the position in which a truss is ordinarily applied. When ordering a truss please send in the measurements around the hips as indicated by this figure and not around the waist.

By observing these rules you will save delay and inconvenience.



R-3005



R-3010



R-1015



R-1025

TRUSSES FOR HERNIA

- R-3005 Chamois-lined hard rubber truss with wrought or brass hooks, articulated, supplied with genuine hard rubber pads, not wooden pads. The brass hooks allow of bending and adjustment. \$1.00
- R-3010 Chamois-lined hard rubber truss, double, with spring back pad, otherwise same as R-3005. \$1.50
- R-1015 Hard doublet ball and socket or clutch joint for extra adjustment. Double truss can be fitted with hard rubber, composition or water pads. This truss can be used both for single or double ruptures. When used for single rupture a small second sized unit is attached to the side and secured. Price of truss for single rupture. \$5.00
- Price of truss for double rupture. \$6.00
- R-1025 V. Mueller & Co.'s doublet Hard truss, with clutch joint for extra and well-shaped steel spring leather covered. Can be fitted for single or double rupture, and supplied with hard rubber, composition or water pads. Single \$1.50, double \$2.00.



R-1005



R-1000



R-1005



R-1000



R-1005



R-1000



R-1005



R-1000

TRUSSES FOR HERNIA

R-1005	Extra fine French truss, leather covered, pads filled with curved hair, single.....	\$2.00
R-1000	Extra fine French truss, same as above, double.....	2.50
R-1005	V. Mueller & Co's retractile Chase Improved truss, leather covered, spring, supported with hard rubber or water pads, single.....	2.75
R-1000	V. Mueller & Co's retractile Chase Improved truss, with hard rubber or water pads, double.....	3.00
R-1005	Extra fine French truss with steel springs imported and covered with fine white kid, specially made for us for ladies' use.....	2.50
R-1000	Extra fine French truss with steel springs imported and covered with fine white kid, double.....	3.00
R-1005	V. Mueller & Co's special imported truss for lumbar hernia, covered with soft wire spring meshing on the inside and fine French kid on the outside. We can recommend this truss highly for very particular patients.....	3.00
R-1000	V. Mueller & Co's special imported truss for lumbar hernia, same as above, double.....	3.50

Trusses constructed of the same material as R-1005 can also be furnished with crystal pads at an additional expense of \$1.00.

Do not mutilate catalogue.—Specify section letter and number in ordering.



R-1065



R-1070



R-1075



R-1080



R-1085A



R-1085

TRUSSES FOR HERNIA

- R-1065 Adjustable French leather covered brass with understrap for scrotal hernia as the quality..... \$1.00
 Regular quality, non-adjustable..... 2.75
 Double, extra quality, adjustable..... 4.00
 Regular quality, double, non-adjustable..... 5.00
- R-1070 Elastic truss with leather covered wooden pad. This truss is very strongly made and is advisable in case of hernia for very old people, who cannot stand the spring pressure, single \$2.75; double..... 3.25
- R-1075 Improved fine French adjustable truss with water pad extra quality single \$2.50; double..... 4.00
- R-1080 Elastic elastic truss with kidney shaped water pad, single \$2.00; double..... 2.00
- R-1085 Combination double truss illustrating on one side a large pad for a scrotal rupture and on the other side an ordinary inguinal pad. Such trusses are made to order after according to descriptions and measurements furnished by the doctor, at prices according to the difficulties of the case, from \$1.50 to..... \$3.00
- R-1085A V. Mueller & Co.'s improved truss for femoral hernia, with hard rubber or water pad and understrap..... 2.00

The back of this truss is made of soft copper wire and therefore easily adjustable.

Do not mistake catalogue—Specify section letter and number in ordering.



R-1095



R-1095



R-1100



R-1105



R-1110



R-1115



R-1120



R-1125

TRUSSES FOR HERNIA

R-590	Radical cure crossbody single truss, right and left, each, single, \$4.00; double, \$5.00	\$5.00
R-595	Self-adjusting crossbody ball and socket joint truss, right or left, each, single, \$2.75; double, \$4.00	\$4.00
R-1200	New York elastic single truss, with hard pad, reversible	1.00
	Same style of truss, but of better quality and silk covered water pad	1.25
R-1205	New York elastic double truss, same as above, with hard pad	2.00
	Kidney quality with silk covered pads	2.50
R-1210	Improved German truss with understrap, for children in shoes from 12 to 22, single	1.25
R-1215	Improved German truss with understrap for children, double	2.25
The above trusses we can strongly recommend for boys and girls from the age of 2 years up. We have found that a cure has resulted in most cases where a truss of this pattern has been worn conscientiously for the prescribed period.		
R-1220	Infants' truss, single, with mild steel spring and entirely covered with pure gum rubber. This truss is the only one in our opinion which can be worn with complete comfort by an infant.	\$1.75
R-1225	Infants' truss, double, same as above	2.75
The early above trusses fit stock from 12 inches to 22 inches		

Do not mutilate catalogue.—Specify section letter and number in ordering.



R-1135



R-1139



R-1150



R-1145



R-1155



R-1140



3 1/2 x 1 1/2 in.



4 1/2 x 1 1/2 in.



5 x 7 in.

R-1160

TRUSSES AND PADS FOR HERNIA

R-1135	Children's truss for inguinal hernia with hard rubber pad and understrap, with able, can be worn in the bath, single, if M; double.....	\$1.00
R-1139	Wide elastic ambulatory truss, with hard rubber pad.....	1.50
R-1140	V. Mueller & Co.'s woven elastic ambulatory truss, with chamois covered pad.....	1.00
R-1145	Medical button, made of aluminum, in sets of three, different sizes, per set.....	1.00
R-1150	Elastic ambulatory truss, adjustable with hard rubber pad or leather pad.....	2.50
R-1155	Ambulatory truss, with bow spring, hard rubber pad.....	3.00
R-1160	Hard rubber pads for use in abdominal supports, for umbilical hernia. When ordering size also wanted. D 11 1/2 in.....	1.50

Do not mutilate catalogue.—Specify section letter and number in ordering.



R-1170



R-1175



R-1180



R-1185



R-1185A



R-1190



R-1200



R-1195

SUSPENSORIES

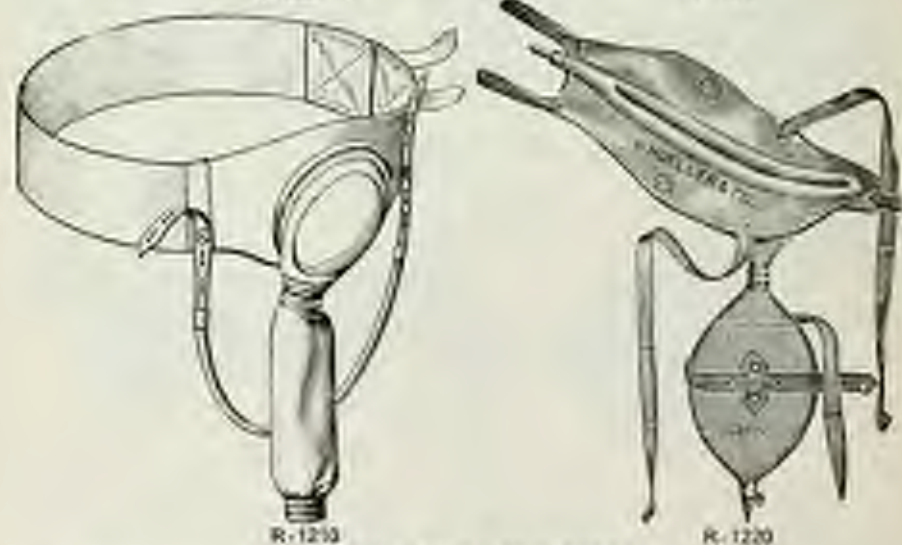
R-1170	Blue athletic lockstrap and supporter of all elastic material, easily applied and removed	\$1.00
R-1175	V. Mueller & Co.'s improved suspensory, English web sock, 50 50 knitted silk sock	.75
R-1180	Patented suspensory for use in varicose and hemorrhoids	1.00
R-1185	Old Point Comfort suspensory, one of the most reliable suspensories on the market, cotton, 50 50; silk	1.25
R-1185A	Dr. J. L. Haskin's improved suspensory	1.00
R-1190	The Bunker Hill suspensory, a well made and easily adjustable supporter, cotton, 50 50; silk	1.25
R-1195	J. F. suspensory, cotton 50 50; silk	.50
R-1200	Techel "Shore" suspensory is designed not only for use in the treatment of diseases, but also to be worn as a regular article of dress for the sake of support, comfort and protection	1.50

Do not mutilate catalogue.—Specify section letter and number in ordering.



R-1205

R-1215



R-1210

R-1220

COLOSTOMY PADS AND URINALS

- R-205 Rubber Colostomy Pad with inflated ring edge, giving a cup shaped cavity 11 inch deep and 5 inches in diameter. With belt and one extra rubber pad..... \$7.50
- R-110 Graham's apparatus for artificial anus. Consisting of a wax metal can with a depression around the rim in which is fitted an inflated rubber ring. The metal cup has attached to it a small over which is slipped and clasped a rubber band to hold the discharge.
- Price according to the difficulty of the case from \$5.00 to..... 20.00
- R-115 Female Urinal has a triangular shaped pneumatic ring which is held in the body of the patient by means of a belt connected to a wire ring..... 10.00
- R-120 Female Urinal with inflatable rim..... 5.00

Prices on rubber goods subject to change without notice.



R-1225 RUBBER URINALS

- R-1225 Fig. 101 Male Urinal, day... \$1.00
 R-1226 Fig. 102 Male Urinal, day... 2.00
 R-1227 Fig. 103 Male Urinal, day... 1.50
 R-1228 Fig. 104 Male Urinal, day... 2.50
 R-1229 Fig. 105 Male Urinal, day... 2.50
 R-1230 Fig. 106 Male Urinal, day and night... 1.50
 R-1231 Fig. 107 Female Urinal, day... 2.50
 R-1232 Fig. 108 Male Urinal, day... 2.50
 R-1233 V. Mueller & Co.'s Urinal, improved pattern, day and night... 2.50
 R-1234 V. Mueller & Co.'s Special Urinal, male, day and night. Owing to the special construction of this urinal, it is really the only one which can be worn by a patient day and night without the fear of leakage. It is made of heavy maroon pure rubber and attached to washable suspensory... 5.00

Prices on rubber goods subject to change without notice.



R-1260



R-1270



R-1280



R-1285

HOT AIR APPARATUS

R-1280 Shows a Hot Air Apparatus for the extremities and regions of the body; it is portable and the extremities, regions, and joints can be treated with it. It is constructed of steel, soldered edges.

The "ventilation opening" can be closed by a slide. On the bottom of the chamber rests a specially constructed insulated heat carrier, compelling the heated air to continuously circulate.

Price \$20.00

R-1285 Knee Hot Air Apparatus is provided for knee work, but can be used for treating a hand or a foot. It is 15 inches long, about 18 inches high and 20 inches wide. The knee, hand or foot is the only part of the body that is subject to this temperature. Can be heated by gas or alcohol.

Large enough to treat both knees \$25.00

R-1290 Fraser-Lentz's Hot Air Apparatus for treatment of rheumatism.

This apparatus is especially adapted for the application of dry hot air for the successful treatment of cases of acute or chronic rheumatism, gonorrheal rheumatism, post-traumatic arthritis, syphilis, leucocystitis, 2 bones calcified, fractures, sprains, dislocations, etc. Made 24 inches long and 20 inches high, with 200-watt burner for gas \$25.00. With 200-watt burner \$40.00. For both gas and oil \$25.00. Working of the use on the 10 volt direct or alternating current \$25.00.

The price quoted are for the 24-inch apparatus.

Price for the 20-inch apparatus \$20.00 extra.

Send for literature describing the apparatus more in detail.



R-1295



R-1290

R-1290 This device is manufactured for the treatment of the leg, arm, hip, hand, or any part of the body where special treatment is needed.

Full and explicit directions for the usage are sent with it.

Price \$1.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



R-1300



R-1305



R-1310



R-1315



R-1320



R-1325

DISINFECTION APPARATUS, ETC.

R-1300	Formaldehyde vaporizer with for disinfection, each 40 in. deep.....	\$2 00
R-1315	V. Mueller & Co's automatic soap container.....	1 25
R-1320	Hander's auxiliary liquid soap container.....	1 00
R-1325	Hander's auxiliary soap for use in either V. M. & Co's or Hander's container.....	50

per quart

CLAYTON'S FORMALDEHYDE DISINFECTOR

A simple and efficient lamp for the generation of formaldehyde gas from wood alcohol. Used for the disinfection of small rooms, closets, clothing, bedding, etc. It is safe, simple in operation and satisfactory in results. Full directions for use accompany each lamp.

R-1300	Price.....	\$1 00
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THE "LENTZ" FORMALDEHYDE GAS GENERATOR

The best low priced apparatus for the generation of formaldehyde from a forty per cent. solution of formalin under pressure. Simple, efficient and durable. It is made entirely of brass and copper, equipped with pressure resisting lamp for heating. There are also other of these generators in use. Adopted by the U. S. Government for the Marine Hospital service. Full directions for use accompany each generator.

R-1305	Price.....	\$12 50
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R-1230



R-1235



R-1242



R-1245

BACK RESTS AND BEDSIDE TABLES

- R-1230 Back rest regular without arms \$1.75
 R-1235 Back rest regular with arms 2.00
 R-1240 Back rest improved with head rest on the side 2.00
 R-1242 Back rest, simple, adjustable made of steel with woven wire fabric back, white enameled, total weight 12 lbs. 2.00
 R-1245 Back side table, No. 1, brown metal parts with golden oak finish rubbed oil finished top. No. 2, cream, white enamel parts with bird's-eye maple top. No. 3, oxidized copper parts, with finely finished quarter-sawn top. No. 4, full nickel-plated metal parts, with quarter-sawn oak or bird's-eye maple top. No. 5, white enamel entirely of metal, simple. No. 6, black metal parts, top same as No. 1.

Write for prices in quantities.
 These prices are subject to change without notice.



R-1250

Do not mutilate catalogue.—Specify section letter and number in ordering.

INVALID ROLLING CHAIRS



R-1350



R-1355

Dimensions of Chair Chairs	Wide	Narrow
	Size Inches	Size Inches

Height of back from seat.....	31	31
Height of seat from floor.....	15	15
Height of seat from foot board.....	14 1/2	14 1/2
Height of arms from seat.....	34 1/2	34 1/2
Depth of seat.....	20	20
Width of seat.....	19	17
Diameter of large wheels.....	36	26
Diameter of small wheel.....	10	10
Width over all.....	30	27

Weight rated 25 lbs.

Unless specified otherwise, wide chair will be shipped.

ADULT RECLINING ROLLING CHAIR

R-1350 With rear rubber wheel, back, seat and legrest fitted with thoroughly vacuum. A very popular chair on account of the low price.

With steel steel rim wheels.....	\$12.00
With 1/2 inch rubber tires.....	\$5.00
With 1 inch rubber tires.....	\$4.00

Hand rims on large wheels that will allow patient to propel chair forward or backward or turn in either direction at will. \$1.00 extra.

Highly ball bearings, \$1.00 extra.

CHILD RECLINING ROLLING CHAIR

R-1355 Has folding footboard, rear wheel, with hand rim on large wheels that will allow patient to propel chair forward and backward, or turn in either direction at will. A comfortable and durable chair that will give a child much pleasure indoors or out of doors.

With steel steel rim wheels.....	\$12.00
With 1/2 inch rubber tires.....	\$5.00
With 1 inch rubber tires.....	\$4.00

ADULT RECLINING CHAIR

R-1355 Furnished regularly with hand rims on large wheels that will allow patient to propel chair forward and backward, or turn in either direction at will.

With steel steel rim wheels.....	\$12.00
With 1/2 inch rubber tires.....	\$5.00
With 1 inch rubber tires.....	\$4.00

Highly ball bearings, \$1.00 extra.

A positive hand brake, \$1.00 extra.

INVALID ROLLING CHAIRS

ADULTS RECLINING ROLLING CHAIR

R-1270 With two piece divided independent adjust side levers. We highly recommend this chair as one of the most useful and versatile chairs for all cases. Has cast swivel wheel furnished regularly with hand rims on large wheels that will allow patient to propel chair forward and backward, or even in either direction at will.

With Oval Steel Rim

Wheels \$2 50

With 1/2-inch Rubber

Tires \$2 00

With 1-inch Rubber Tires \$3 50

Heavy ball bearings, \$1 50 extra.

Steel elastic springs, \$2 50 extra.

Positive hand brake \$1 00 extra.

CHILD'S RECLINING CHAIR

R-1271 Has adjustable reclining back, equipped with independent divided adjustable legs, all of which can be worked together or independent to obtain any desired position of the body or limbs. Body is made of oak, rubbed and polished finish, and legs, arms and back are fitted with open cane webbing. Has elliptic springs that absorb the vibration, and joints, also hand-rims that will enable parent to propel chair forward or backward or turn in either direction at will.

With Oval Steel Rim

Wheels \$2 00

With 1/2-inch Rubber

Tires \$1 50

With 1-inch Rubber

Tires \$1 00

ADULTS FIXED ROLLING CHAIR

R-1280 Upholstered in best quality Quaker leather. Has small swivel wheel and folding foot-board. Furnished regularly with hand rims on large wheels, that will allow patient to propel chair forward and backward, or even in either direction at will. The graceful outlines of this chair will readily appeal to all as a most comfortable and easy-riding chair, one of our most popular patterns.

With Oval Steel Rim

Wheels \$2 00

With 1/2-inch Rubber

Tires \$1 50

With 1-inch Rubber

Tires \$1 00

Spring seat, \$1 50 extra.

Heavy ball bearings, \$1 50 extra.

Steel elastic springs, \$2 50 extra.

A positive hand brake, \$1 00 extra.

R-1270

R-1280



R-1285

INVALID ROLLING CHAIRS ADULTS' FIXED ROLLING CHAIR

R-1285 With rear swivel wheel and folding footboard. Padded regularly with hand runs on large wheels, back will allow patient to propel chair forward and backward, or turn in either direction at will. This chair has met with great favor. It is without doubt one of the most comfortable and easy handled rolling chairs ever produced.

With oval steel rim wheels.....\$25 00
With 4-inch rubber tires.....25 00

With 1 1/2 inch rubber tires.....40 00
Flycote ball bearings, \$2 25 extra.
Steel elliptic springs, \$2 50 extra.

A positive hand brake, \$2 00 extra.

CHILD'S FIXED ROLLING CHAIR

R-1284 This is a very comfortable outdoor chair, although same can be used for indoor use as it takes up but little room. Body is made of prime Indian woods, stained in light oak. Seat and leg rests are lined with hygienic cane webbing. Fine folding footboard to facilitate getting in and out of chair. Has steel elliptic springs that absorb the vibration and jarring. Is finished regularly with extensive wood grain finish which is of great assistance in handling the chair.

With oval steel rim wheels.....\$25 00
With 4-inch rubber tires.....25 00
With 1 1/2 inch rubber tires.....40 00

WORTHINGTON WHEEL CHAIRS

The Worthington chair needs no introduction to the physician, as it is widely known as one of the very best wheel chairs which has ever been designed. It is strongly built in every respect, therefore we recommend it in all cases where a chair is to be given considerable use.

R-1286 Worthington wheel chair with rubber tires, elliptic springs and divided foot rest.....\$25 00

R-1286A Worthington wheel chair with rubber tires, elliptic springs and single piece foot rest.....45 00

If interested please send for complete Worthington catalogue showing all styles of wheel chairs, with detailed description.

*Worthington
Quality*



R-1286

*Worthington
Quality*



R-1286A

Do not mutilate catalogue.—Specify section letter and number in ordering.



R-1420



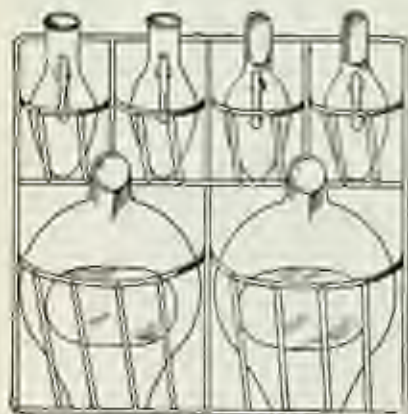
R-1410



R-1400



R-1405



R-1415

WATER BEDS, COMMODES, ETC.

- R-1400 Plain commode, made of wood,
glass bowl, water tank..... \$1.50
- R-1405 Commode chair, hard wood with
pump..... 7.50
- R-1410 Air or water bed, 12 x 18..... 27.00
There is a smaller and a larger size, but the
above is the most popular.
- R-1415 Hot air rack of galvanized iron,
for two bed pads and 4 animals..... 6.00
2 bed pads and 6 animals..... 8.00
4 bed pads and 12 animals..... 20.00
- R-1420 Inflated rubber bed pad with net
bed tube, oval shape, or round.... 3.50
- R-1425 Not illustrated. Plain rubber bed
pad inflated without outlet tube... 4.00



R-1440



R-1435



R-1436



R-1430A



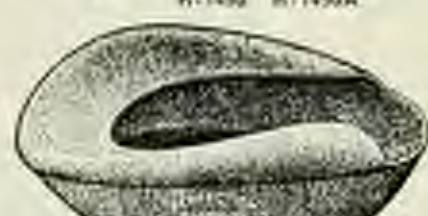
R-1445



R-1452 R-1450A



R-1455



R-1460 R-1460A



R-1465



R-1470

HOSPITAL AND PATIENT'S SUPPLIES

E-1400 White earthen bed pan.....	\$1.00
E-1400A Earthen bed pan.....	1.00
E-1435 Bed pan, steel, gray enamel.....	1.50
E-1440 Bed pan, steel, white enamel.....	1.75
E-1445 Douche pan, with outlet tube, steel.....	1.00
E-1450 Douche pan, gray enamel.....	1.25
E-1450A Douche pan, white enamel.....	1.50
E-1455 Perfection bed pan, steel, white enamel.....	4.50
E-1460 Perfection bed pan, steel, gray enamel.....	2.75
E-1460A Perfection bed pan, earthen ware, white.....	2.50
E-1465 Male urinal, steel, porcelain, white.....	1.00
E-1470 Female urinal, steel, porcelain, white.....	1.00
E-1475 Male urinal, glass, plain, 20 cc; graduated, not illustrated.....	.65
E-1480 Female urinal, glass, plain, 30 cc; graduated, not illustrated.....	.65



HOSPITAL AND OFFICE SUPPLIES

R-1500	Irrigator, steel porcelain, white, 2 qt., \$1.50; 3 qt., \$1.90; 4 qt., \$2.30	\$1.50
R-1505	Irrigator, steel porcelain, enameled with handle, 1½ qt., \$1.50; 2 qt., \$1.90; 3 qt., \$2.30; 4 qt., \$2.70	\$1.50
R-1510	Irrigator, graduated, with handle, glass, 1000 cc., \$1.50; 2000 cc., \$2.00; 3000 cc., \$2.50	\$1.50
R-1515	V. Mueller & Co.'s irrigator, the glass container is held in metal frame which is graduated on the back, 1000 cc., \$1.50; 2000 cc., \$2.00; 3000 cc., \$2.50	\$1.50
R-1520	Extra glass irrigator for R-1510, 1000 cc., \$1.50; 2000 cc., \$2.00; 3000 cc., \$2.50	\$1.50
R-1525	Irrigator, glass, funnel shaped, flat back, 1000 cc., \$1.50; 2000 cc., \$2.00; 3000 cc., \$2.50	\$1.50
R-1530	Water pail, steel porcelain, white enamel, 2 qt., \$1.50; 3 qt., \$1.90; 4 qt., \$2.30	\$1.50
R-1535	Water pail, steel porcelain, white enamel, 2 qt., \$1.50; 3 qt., \$1.90; 4 qt., \$2.30	\$1.50
R-1540	Water pail, steel porcelain, white enamel, 2 qt., \$1.50; 3 qt., \$1.90; 4 qt., \$2.30	\$1.50
R-1545	Water pail, steel porcelain, white enamel, 2 qt., \$1.50; 3 qt., \$1.90; 4 qt., \$2.30	\$1.50
R-1550	Basin, steel porcelain, white enamel, 10 qt., \$1.50; 12 qt., \$1.90; 15 qt., \$2.30	\$1.50



R-1543



R-1545



R-1553



R-1555



R-1575



R-1560



R-1583



R-1575



R-1565



R-1570



R-1585



R-1590



R-1595



R-1600



R-1605

HOSPITAL AND OFFICE SUPPLIES

R-1543	Soft cup, steel porcelain, white enamel, exact cover, each \$0.45, dozen.....	\$4.50
R-1545	Soft cup, steel porcelain, white enamel, high form inner cover, each \$0.45, dozen.....	4.50
R-1553	Soft cup, steel porcelain, white enamel, high cover, each \$0.45, dozen.....	4.50
R-1555	Folding system cup, covers or holders, dozen, set.....	2.10
R-1575	Funnel, dozen set, \$0.20; hundred set.....	1.10
R-1583	Feeding cup, steel porcelain, each \$0.45, dozen.....	5.40
R-1585	Spittoon, steel porcelain, white enamel, each \$1.00; dozen.....	12.00
R-1589	Spittoon, steel porcelain, white enamel, made of two pieces, each \$0.50, dozen.....	6.00
R-1590	Spittoon, steel porcelain, white enamel, C 18, 20.00; 2 18, \$0.75; 3 18.....	9.00
R-1595	Floating funnel, glass, of different kinds, dozen.....	1.00
R-1600	Graduated measures with metric and ounce scale, steel porcelain, white, 250 gr., \$0.45; 500 gr. \$0.65; 1000 gr. \$1.00; 1500 gr.....	1.20
R-1605	Graduate, 60 minims to 25; 120 minims.....	20
R-1605	Graduate, glass, ounce and metric system: 1/2 ounce to 12 ounces \$1.00; 12 to 100 cc. \$0.25 to.....	1.20
R-1600	Graduate, cylindrical form, glass, 200 to 500 cc., \$0.25 to.....	1.00
R-1605	Feeding cup, white steel porcelain, each, \$0.75; same with handle.....	25



R-1610



R-1615



R-1620



R-1625



R-1630



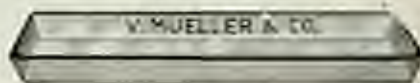
R-1635



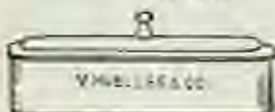
R-1640



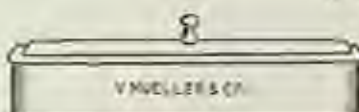
R-1645



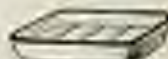
R-1650



R-1660



R-1665



R-1665

HOSPITAL AND OFFICE SUPPLIES

R-1628	Frying deep solution basin, steel porcelain, white, 8 in., \$0 40; 9 1/2 in., \$0 55; 11 in., \$0 70; 12 in., \$0 80; 12 1/2 in., \$0 90; 13 in., \$1 00	\$1 25
R-1629	Shallow solution basin, white, steel porcelain, shallow, 5 in., \$0 30; 6 in., \$0 40; 8 in., \$0 50; 10 in., \$0 60; 11 in., \$0 70; 12 in., \$0 80; 12 1/2 in., \$0 90; 13 in., \$1 00	90
R-1630	Pan basin, steel porcelain, white, three sizes, small, \$0 30; medium, \$0 40; large, \$0 50	1 00
R-1631	Pan basin, rectangular shape, white steel porcelain	65
R-1632	Pan basin, Smith's patent	1 00
R-1633	Instrument tray, one form	1 00
R-1634	Seamless tipped instrument tray, slotted bottom	1 00
R-1635	Seamless instrument tray without handles, white steel porcelain, 10x14x2, \$1 00; 10x16x2, \$1 10; 12x16x2, \$1 20; 12x18x2, \$1 30; 14x18x2, \$1 40	1 00
R-1636	Instrument tray, white steel porcelain, 7x12x1 1/2, \$0 30; 10x14x2, \$0 45; 12x16x2, \$0 60	1 00
R-1637	Instrument tray for catheter sounds, etc., white steel porcelain, 10x14x2, \$1 00; 12x16x2, \$1 10	1 00
R-1638	Instrument tray, white steel porcelain, for knives, forceps, scissors, etc., 10x14x2, \$1 00; 12x16x2, \$1 10	1 00
R-1639	Small dish, white steel porcelain	1 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



R-1785

R-1786

R-1790



R-1800



R-1810



R-1815



R-1805

HOSPITAL AND OFFICE SUPPLIES

R-1785 and R-1790	Wholesale the new Switzer Dressing Jar, covers removable for sterilizing. Jar is germ, dust and odor proof, etc. \$1.00; six, \$1.10; doz. \$1.20; ten, \$1.30; 25, \$1.75	\$2.40
R-1786	Arm (hemlock) tank, either glass or white steel porcelain, each	2.00
R-1800	Solution rack bottle, wide ground stopper, 1 gallon, \$0.20; 2 gallons, 2.00	2.00
R-1810	Solution rack bottle, narrow neck, ground stopper, 1 gallon, \$0.20; 2 gallons, 1.50	1.50
R-1815	Percolator, regular, molded heavy glass	.75
R-2001	Percolator, flat glass	.50

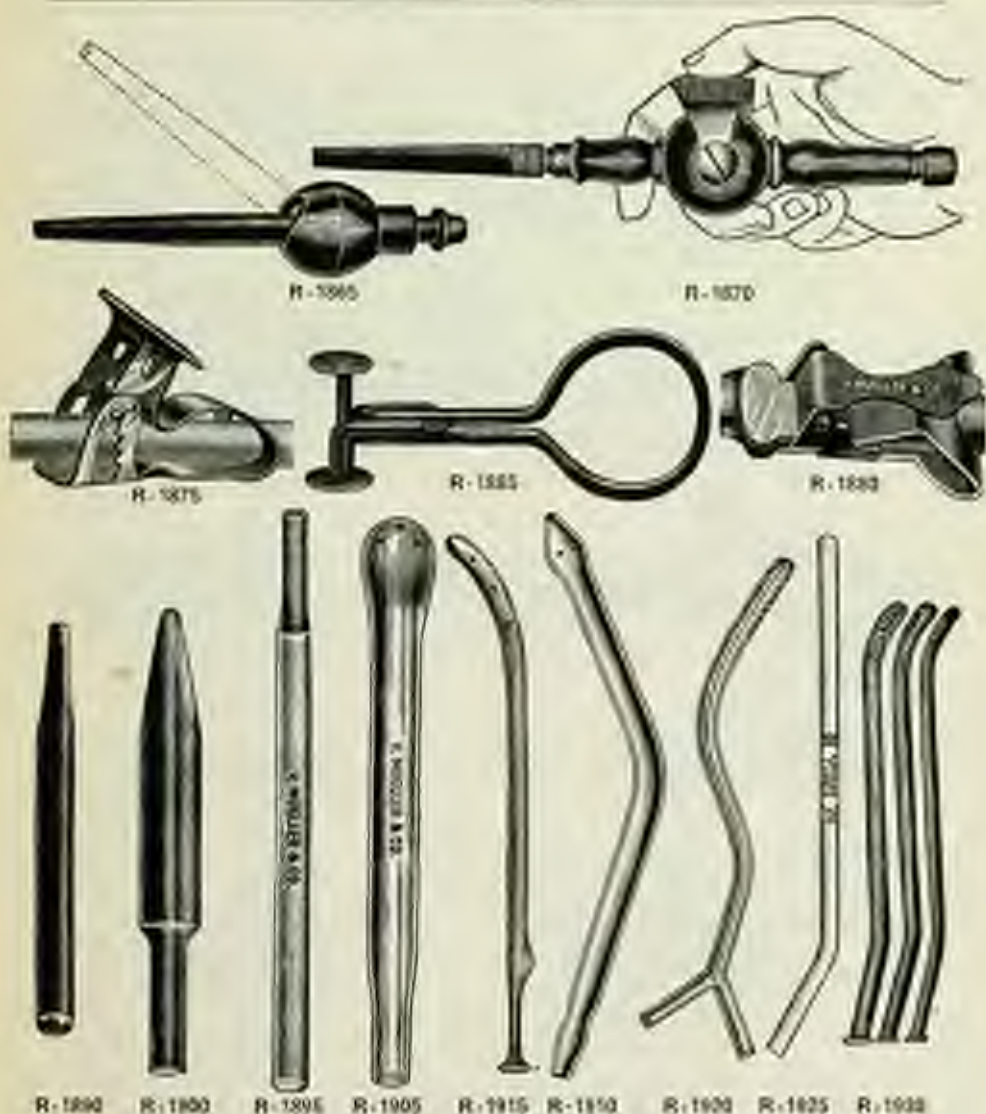
Do not mutilate catalogue.—Specify section letter and number in ordering.



HOSPITAL AND OFFICE SUPPLIES

R-1829	Mamma milk modifier, set.....	\$1.20
R-1830	Medicine glasses, graduated bottles and lines, each \$0.41; dozen.....	30
R-1831	Medicine glasses, flat crystal, graduated bottles and lines, each \$0.15; dozen.....	1.80
R-1832	Glass syringes, vaginal, No. 2, dozen \$0.40; No. 3, dozen.....	1.20
R-1833	Male syringes, glass, with rubber tip, dozen.....	2.00
R-1834	Glass syringes, vaginal, No. 2, dozen \$0.60; No. 3, dozen.....	1.80
R-1835	Glass syringes, vaginal, No. 2, dozen \$0.60; No. 3, dozen \$0.80; No. 4, dozen.....	2.40
R-1836	Glass syringes, vaginal, No. 2, dozen \$0.60; No. 3, dozen \$0.80; No. 4, dozen.....	2.40
R-1837	Infant rubber for (mammae, etc.), sold by weight only, at the prevailing market price.....	1.00
R-1838	Four colder stoppers, sold by weight at the prevailing market price. State correct size and figure A, B or C.....	

Do not mutilate catalogue—Specify section letter and number in ordering.



HOSPITAL AND OFFICE SUPPLIES

R-1930	Parish's cut-off, hand rubber.....	\$0 00
R-1970	Memarch cut-off, hard rubber with two tips.....	\$0 00
R-1975	Improved syringe cut-off, each \$0 00; dozen.....	\$0 00
R-1980	Regular syringe cut-off, large size, each \$0 00; dozen.....	\$0 00
R-1985	Automatic plumb-rod, two sizes, each.....	\$0 00
R-1990	Draining points, large with rounded ends, doz.....	\$0 00
R-1995	Irrigating points, regular, dozen.....	\$0 00
R-2000	Valentine's irrigating tips, 4 different shaped ends, dozen.....	\$0 00
R-2005	vaginal douche points, glass, dozen.....	\$0 00
R-2010	vaginal douche points, glass, curved, same end as R-2005, dozen.....	\$0 00
R-2015	Douche tube, glass, curved, dozen.....	\$0 00
R-2020	Douche point, glass, refers, doz, like illustration or with caps, R-1900, each.....	\$0 00
R-2025	Drinking tubes, dozen, \$0 25; gross.....	\$0 00
R-2030	Female glass catheters, three sizes, dozen.....	\$0 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



SYRINGES, NIPPLES, ETC.

R-1925	Attacher bulb, marrow rubber, best quality, each.....	20 30
R-1940	Rubber bulb, marrow, for stethoscopes, powder blowers, etc., each.....	1 30
R-1945	Flexible rubber bulb, pure gum, two sizes, small, \$1.00; large.....	1 30
R-1955	Swable bulb, best imported black rubber, two sizes, small, \$1.05; large.....	1 30
R-1965	Syringe or atomizer bulb, without tube.....	1 30
R-1970	Syringe, hard rubber, vaginal, 1 oz., \$0.40; 2 oz.....	1 30
R-1975	Syringe, hard rubber, rectal, 4 oz., \$1.40; 8 oz.....	1 30
R-1980	Syringe, infant's, rectal, 1/2 oz., \$1.40; 2 oz.....	1 30
R-1985	Syringe, infant's.....	1 30
R-1990	Syringe, ear and nose, marrow, small \$0.50; large.....	1 30
R-1995	Fine gum syringe, each.....	1 30

(From subject by choice without notice.)

Do not mutilate catalogue.—Specify section letter and number in ordering.



R-1999



R-2000



R-1995



R-2005



R-2010

R-2013A



R-2020



R-2015



R-2025

DOUCHES, RUBBER SHEETING, ETC.

R-1999	Middleworth ladies' syringe, with glass tube, \$0.15; hard rubber tube.....	\$0.15
R-1995	Ladies' syringe, all rubber.....	0.05
R-2000	Hand's ladies' douche, refers Dow, 1 ft. tubing.....	0.05
R-2005	Whirlwind spray syringe.....	0.50
R-2010	V. Mueller & Co.'s expanding vaginal douche, with return flow.....	0.50
R-2013A	Not illustrated. Hall's vaginal douche, all metal, set.....	2.00
R-2015	Davidson's ladies' syringe, made of best material.....	0.10
R-2020	Ladies' syringe as above, made of the same only, best imported grade.....	0.10
R-2025	Medicine droppers, straight and curved, with good resilient rubber bulb, per doz.....	20
	Extra large medicine droppers, doos.....	40
R-2025	Rubber sheeting.....	
	25 inches, per yard.....	Single faced Double faced
	45 inches, per yard.....	30 00 11 00
	24 inches, per yard.....	25 00 1 00
	Common sheeting, washable, suitable especially for varicose' apocoma, table and	
	varicose' covers, 45", 24 inches, per yard, \$0.20; 45 inches, per yard.....	90
	Improve black sheeting, width 45 inches, per yard.....	60
	Tan sheeting, very thick, especially suitable for varicose' apocoma, single, per	
	yard, 25 inches wide, \$0.20; double, per yard, 75 inches wide.....	1.50
	Tan sheeting can also be furnished 45 inches wide.....	

Prices Subject to Change Without Notice.

Do not mutilate catalogue.—Specify section letter and number in ordering.



R-2030



R-2035

RUBBER GOODS

R-2030 "WHEREVER" CLOTH LINED FOUNTAIN
SYRINGE

This bag is made of extra strong brown rubber coated fabric with all seams reinforced with 250-mesh tubing and hard rubber pipes. The style of construction makes it an absolutely desirable article.

Size No. 2.....	\$1.25
Size No. 3.....	1.50
Size No. 4.....	1.75

R-2035 "WHEREVER" SHOULD FOUNTAIN
SYRINGE

The bag of this syringe is made entirely of one piece of high grade brown rubber and is therefore absolutely free from seams of joints and forms a continuous glove to the "Wherever" moulded meter bottle and will also stand very hard service. The mouth of the bag is very large permitting it to be rapidly filled. It is equipped with extra large rapid flow tubing of exceptional quality, and hard rubber pipes.

Size No. 2.....	\$1.45
Size No. 3.....	1.75

R-2040

R-2040 NEVERLEAK FOUNTAIN SYRINGE

The bag in this syringe is made of high grade red rubber, seamless, has wide mouth, and is fitted with a metal ball making it convenient to hang up anywhere. This feature makes the syringe one of the most popular in the market. The tubing and pipes are all rapid flow and of a fine quality.

Size No. 1.....	\$1.00
Size No. 2.....	1.25

(Write for prices on quantities.)

Prices on rubber goods subject to change without notice.

Do not mutilate catalogue.—Specify section letter and number in ordering.



R-2045



PAT. MAR. 26, 1906

R-2150

RUBBER GOODS

R-2001 "WEAVER" SANITARY WATER BOTTLE

Dark lined maroon smooth surface, extra strong, rubber coated fabric, all seams reinforced, equipped with hold-fast strapping, with chain attachment. This bottle is and has been in general use in the leading institutions for years and has met with universal favor.

Size No. 1	\$5.00
Size No. 2	1.10
Size No. 3	1.20
Size No. 4	1.30

R-2051 "WEAVER" MOLDING WATER BOTTLE

This bottle is "made in a mold" under very high pressure, into one solid piece, from the very finest quality maroon rubber—absolutely free from seams and has no weak points to give way while in use. The surface being perfectly smooth makes it absolutely sanitary. Another feature of this bottle is the large, round flange or mouth, permitting same to be firmly gripped and easily filled. Truly the most serviceable and practical water bottle for hospital use that can be made.

Size No. 2	\$1.10
Size No. 3	1.20

R-2052 "WEAVER" SANITARY COMBINATION

Dark lined maroon smooth surface, extra strong rubber coated fabric, all seams reinforced, equipped with hold-fast strapping. In all respects exactly the same as the Weaver Sanitary Water Bottle, with the addition of complete equipment for converting it, if desired, into a serviceable and durable fountain syringe. The tubing and pipes are all light gauge and of extra quality.

Size No. 2	\$1.10
Size No. 3	1.20
Size No. 4	1.30

(Write for prices on quantities.)

Prices Subject to Change Without Notice.



R-2055



R-2070



R-2075



R-2065



R-2065A



R-2080

RUBBER GOODS, ETC.

- R-2065 and 2065A Triplex combination water tap and ice bag and bagholder, capacity 2 gals., including one 3/4-inch cover, three 1/4-inch rubber rapid flow pipes, one length rapid flow tubing with shut-off. 2 90
- R-2070 Rubber Electric Pad is absolutely flexible so that it can be used on any part of the body, has a thermostat that never lets the heat get over 100 degrees. Also has a sanitary detachable rubber cover which can be sterilized. 1 90

Prices Subject to Change Without Notice.

WEATHER INVALID CUSHIONS

R-2080 These goods are also made of a strong marine rubber coated fabric, heavily reinforced at all seams, and consequently will be found much stronger and more durable than the usual kind. Made in 7 sizes.

Outside diameter 22 inches, price	15 90
Outside diameter 18 inches, price	12 50
Outside diameter 14 inches, price	10 00
Outside diameter 12 inches, price	8 00
Outside diameter 10 inches, price	6 00
Outside diameter 8 inches, price	4 50
Outside diameter 6 inches, price	3 50
Outside diameter 4 inches, price	2 00

R-2080 BATHING AND OPERATING CAPS

Made of pure gum, perfectly smooth and seamless. Desirable for bathing and versatility in head operations. Price 20 00

Made of pure gum, plaited and with large head band. Price 30 00

Prices Subject to Change Without Notice.



R-2085



R-2090



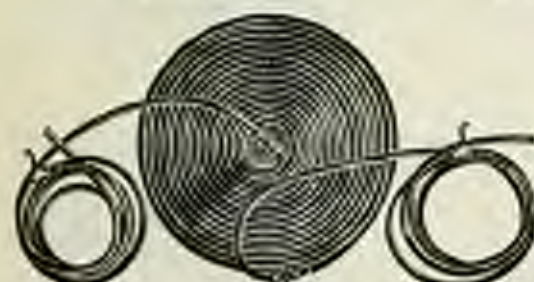
R-2085



R-2100



R-2105



R-2120



R-2110



R-2125



R-2115

RUBBER GOODS

R-2085	Special ice bag, with screw stoppers made in two sizes, \$1.75 and \$2.50	\$1.50
R-2090	Throat and special ice bag, pure gum rubber, 3 in. x 14 in. 12 in., 21 in., 34 in.	1.50
R-2095	Refrigerator ice cap, made from extra strong maroon rubber, coated fabric with reinforced seams, price	1.00
R-2100 REFRIGERATOR ICE CAP, NEW TOP		
Made from extra strong maroon rubber, coated fabric with reinforced seams and four loops. This material is not so easily pierced by sharp particles of ice as the usual kind offered. These caps are very strong and durable and will give splendid service even in hard usage.		
Price		\$1.50
R-2105	German ice bag, of best quality, cloth covered rubber, 3 in. x 14 in. same pure rubber	1.50
R-2110	Refrigerator ice cap	2.00
R-2115	Thin ice bag, pure gum, small, medium and large, \$1.50, \$2.00 and \$3.00	75
R-2120	Improved washable ice bag	85
R-2125	Abdominal water coil, of best maroon tubing	5.00
R-2125	Lead coil, best maroon rubber tubing	1.00



R-2115A

Prices Subject to Change Without Notice.

Do not mutilate catalogue.—Specify section letter and number in ordering.



R-2150 R-2150A



R-2140



R-2145



R-2135



R-2130

WATER COILS, ETC.

The Letter coils for treatment of disease by circulation of hot or cold water. The plates and tubes are made of tubing, (an alloy of steel and brass). They can be adjusted and bent to fit any part of the body. Especially serviceable for inflammation, etc.

- R-2130 and R-2135 illustrate the adjustable head coil. They are made in two sizes and sufficiently adjustable to fit all patients. Large, \$5.00; small, \$3.50.
- R-2140 Adjustable coil for use on the leg, arm, etc., size 187. 1.25
- R-2145 Adjustable coil for use over the heart, etc., size 187. 1.75
- R-2130 Adjustable coil for the abdomen, back, etc., size 187. 2.25
- R-2135 Adjustable coil for use on the neck, etc., size, 2135. 1.50

We can also furnish these coils for use over the mastoid region and over the eye.

- R-2155 Foot warmer as hot water bottle, made of polished copper, lined inside, with heavy white metal screw cap and handle. 2.25



R-2155

BATH CABINETS AND WINDOW TENTS



R-2190



R-2195



R-2170

R-2190 The vapor bath is one of the best known agents for the application of heat to the body. The bath starts at a low temperature and gradually increases until the desired degree of heat is reached. The hot vapor envelops the entire body with the exception of the head, softening the skin and improving the general condition by stimulating the organs of elimination. It increases the activity of the skin, and renders one less susceptible to colds and other ailments.

PRICE LIST

- No. 1 Single wall, rubber lined, steel frame cabinet, made from medium weight material, folds in one-inch space; complete, including No. 2 Heater (shut-off stove, metal rack, vapor pad) \$1.00
- No. 2 Single wall, rubber lined, steel frame cabinet. Ends 12 one-inch space. The covering is the best cabinet cloth, of an attractive, printed design; complete, including our No. 1 Heater (improved) \$4.00
- No. 4 Double wall, rubber, steel frame cabinet, walls non-absorbent, germ proof, and easily rendered aseptic, folds in two-inch space; complete, including our No. 1 Heater (improved) \$8.00

R-2190 No. 3 Porcelain cabinet, including the No. 2 heater, price \$5.00

Weight 12 lbs., 12 in. high, 30 in. square

In this cabinet an effort has been spared to make a cabinet which for workmanship, durability and efficiency would for children any steel frame cabinet on the market. This article may be popular, priced cabinet made. The heater with cabinet is a feature, and a good heater is most necessary to obtain good results, and therefore was only furnished with high grade cabinets.

R-2195 No. 4 Porcelain cabinet; weight 15 lbs., 12 in. high, 30 in. square, price \$11.00

This cabinet possesses the features of our other cabinets all but the opening at the top for passing the hand through and the cloth is of lighter weight. The heater consists of a burner and stand.

WALSH WINDOW TENT

R-2170 The tent comes in over the side of the bed, over the pillow. The outside awning is let down to protect from sun, wind or storm. The tent can be made to fit any window by increasing the length of the adjustable slats.

Walsh Window Tent, ready to use \$10.00
Canvas, \$2.00; extra detachable bottom to facilitate laundering \$1.00; complete set \$13.00

For Complete Bath Catalog, see Electrical Section.

KUHN'S LUNG SUCTION MASK FOR THE HYPEREMIC TREATMENT (BIER) OF PULMONARY TUBERCULOSIS.

Fritz von August Bier proposed a very simple method of applying his "Stagnant hyperemia" upon phthisical patients by suggesting that they should inspire through the nostrils under slight compression of the nose, allowing them unobstructed exhalation through the mouth. His theory was based upon proofs of the fact "that the removal of blood within the lungs determines the degree of liability of the patient to pulmonary tuberculosis."

It being a well established fact that artificial hyperemia can cure a tubercular process, Dr. Ernst Kuhn of Berlin, assistant to Professor Van Leyden, at the Charité Clinic has put this principle into practical form by constructing the so-called Pulmonary Suction Mask, which is based upon Bier's original idea of producing artificial hyperemia of the lungs by suction.



Effect and Purpose of Mask. The purpose of the mask, as above stated, is to create through an obstruction to inspiration a negative pressure in the chest cavity, and thereby produce a suction of blood to the lungs. The greater the obstruction to inspiration and the longer it is continued the more the lungs will be filled with blood. The obstruction to inspiration should not be of that degree or be so long continued as to create untoward symptoms such as headache or other unpleasant effects.

Application of the Mask in Catarrhal and Inflammatory Conditions of the Air Passages, Pulmonary Tuberculosis, Whooping Cough, and Anemia. The mask is worn for the first few days in the morning and afternoon for quarter to half an hour, with moderate resistance to inspiration, the shutter of the nasal air chamber being adjusted to the mark 2. For the next two to three days the mask is worn from three quarters to one hour twice daily, the shutter being in the same position as above. When the respiratory muscles have become strong enough the use of the mask is continued three times or oftener a day, for one hour or several times daily for one and a half to two hours. The reclining position is best adapted to the breathing through the mask, which can also be worn during sleep.

Application of the Mask in Cases of Cardiac Weakness, Organic Cardiac Lesions, and in Bronchial Asthma. In these cases it is not the purpose to create a greater compression of the lungs but to improve the respiration, to facilitate the abstraction of the blood from the right heart, thereby decreasing its strain and benefiting the general circulation. To this end the mask is worn during the day from ten to fifteen minutes at intervals of one to two hours, the shutter being so arranged as to create a moderate hindrance to inspiration.

Complete description of mask, its method of application and maintenance of same, accompany each apparatus. The mask is made in two sizes, for children and adults.

ready for use

Section "S"

Galvanic and Faradic Apparatus, Vibrators, Sinusoidal Apparatus.

Medico-Mechanical Gymnastic Apparatus, Therapeutic Lamps.

Bath Cabinets, X-Ray and High Frequency Apparatus.

X-Ray Accessories, Etc.

This department has been greatly enlarged to meet the requirements of the rapidly increasing demand for physical apparatus, both in the office of the physician and in hospital equipment. As no time has greater progress been made than during the past few years in the development of physical apparatus of all kinds, this being particularly true in the case of X-Ray and High Frequency equipment.

The modern surgeon no longer considers that he can afford to be without the service of a first class Radiographic equipment, as this branch of the art has now reached the stage where definite results may be had in radiography which were scarcely dreamed of but a decade ago, and the general practitioner who has come to appreciate what may be accomplished in the way of treatment with the various electrical and physical modalities.

We have placed in charge of this department a man who has had extensive experience in this line and who is thoroughly competent to give our customers the benefit of his experience in the selection of equipment.

We illustrate in the following pages, only such apparatus as has the endorsement of the leading specialists in this branch. Further, we will offer nothing to our customers which is not thoroughly guaranteed by the manufacturer, and having had experience in the selection of equipment, we are prepared to give our friends among the profession the best of service with full assurance that the apparatus we are supplying is well worth the price asked, and that the results claimed may be had by following the instructions which are always sent with every article.

No attempt has been made to go into the details covering technique in the use of the various apparatus, as such description would need too much space in a catalogue. We would mention that we can always promptly supply reprints and other technical papers pertaining to the various apparatus.



S-10



S-15



S-20



S-5



S-25

GALVANIC AND FARADIC BATTERIES

THE DOMICILE FARADIC BATTERY

S-4 The Faradic coil has both primary and secondary windings, which may be utilized either singly or in combination. The case is of hard wood with shockless finish. Dimensions 8 1/2 x 12 x 2 1/2.

Domicile battery with all accessories illustrated \$2.00

ELECTROLYSIS BATTERY

S-10 The battery illustrated is fitted with six No. 4 dry cells and is designed for the removal of superfluous hair by electrolysis. The case is well made and is all the battery is most convenient.

Price complete with attachments \$12.00

THE "ELECTROLYTIC" GALVANIC AND FARADIC BATTERY

S-15 This battery is intended for both galvanic and faradic currents which may be percutaneously controlled and measured. The galvanic current is obtained from 25 No. 4 Domicile dry cells. The faradic current from three No. 4 dry cells. The rheostat is of the improved MAILLARD type.

Price including connecting cords, universal handles and springs direct \$25.00

PRACTITIONER'S FARADIC BATTERY

S-20 Price with cords, universal handles and springs direct \$10.00

V. MUELLER & CO.'S FARADIC BATTERY

S-25 In handsome mahogany case with cords, handles, springs and test pins. Price double cell, \$7.00; single cell \$5.00



5-30



5-35



5-40

GALVANIC AND FARADIC APPARATUS

MCINTOSH NO. 1 MAIL PLATE

5-30 This plate has been designed for the occasional user of galvanic and faradic currents who does not care for the automatic interrupter, or other parts which go to form the more complete outfit.

Plate delivers both galvanic and faradic currents, the former being measured through an accurate milliammeter. The strength of the currents is controlled by means of the Rheostat rheostat, and if galvanic treatment is being given the voltage may be read by means of this rheostat.

The faradic coil has a single interrupter which is of the most variety. The switches are mounted on a marble plate measuring 3 1/2 x 4 1/2 inches. The cabinet is of quarter sawed oak highly polished.

McIntosh No. 1 mail plate without cabinet..... \$21 50
McIntosh No. 1 mail plate with cabinet..... 23 50

FARADIC BATH TUB SWITCHBOARD

5-35 The value of a high tension faradic current applied to the patient when in the bath, is well known. This switchboard has been designed for delivering a current of suitable strength so that treatment may be given in this way. It may be operated by means of the 110 volt direct current or three dry cells.

Faradic bath tub switchboard including connecting cords and handles..... \$16 00

VICTOR GALVANIC CONTROLLER

5-40 This instrument is a thoroughly reliable controller intended for the regulation of the direct current in giving galvanic treatment, though it may be satisfactorily used as the alternating current if a rapid alternated current is desired.

The throat is made of steel and is completely protected from injury by means of a metal cover.

Voltage may be accurately judged by means of the voltage indicator. Milliammeter is of the D'Arsonval type, therefore is not subject to external magnetic influence.

Price without milliammeter, arranged for 110 volt current..... \$11 50
Price with milliammeter, arranged for 110 volt current..... 30 00

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



S-25



S-45A

GALVANIC AND FARADIC APPARATUS; RECTIFIERS

McINTOSH NO. 12 WALL CABINET

S-45 The type 12 McIntosh plate is style 6, can be illustrated same is the latest addition to this firm's line of galvanic and faradic plates. Every physician will appreciate the improvements which have been made in the design of this apparatus, since by an ingenious arrangement consisting of an indicating dial all switches have been done away with. In this way the operator can instantly select the desired current, each one of the 12 modalities being clearly indicated on the dial. Figure S-45A clearly illustrates this device.

The following currents are delivered: Galvanic current of light or heavy dosage; diagnostic lamp current of wide range; fast primary faradic current; fast secondary faradic current; slow primary faradic current; slow secondary faradic current; combined galvanic and faradic currents; low potential rapid sinusoidal current from a transformer within the cabinet, (which is not grounded); high potential sinusoidal current suitable for electric baths; sensory current of small or large voltage.



S-65

McIntosh No. 12 cabinet for 115 volt direct current.....	\$30.00
Above outfit equipped with rectifier and potential equalizer for alternating current.....	\$35.00
Above outfit with McIntosh motor generator for supplying sinusoidal current and sensory current.....	\$35.00
Above outfit with 50 No. 1 dry cells in box with special motor generator.....	\$35.00

McINTOSH IMPROVED ALTERNATING CURRENT RECTIFIER

S-65 This rectifier when used on the alternating current and when equipped with the McIntosh potential equalizer, delivers a direct current for wall plate use, which is entirely free from pulsations experienced with most forms of liquid rectifiers. The potential equalizer action is equalize the rectified current at the period where the wave reaches its highest and lowest points. If interested read for special literature describing this device.

McIntosh rectifier with potential equalizer.....	\$25.00
McIntosh rectifier omitting potential equalizer.....	\$20.00

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



S-70



S-80

GALVANIC AND FARADIC APPARATUS—Continued

McINTOSH STYLE "T" ASBESTIC TABLE

S-70 We present herewith a most practical form of electrical equipment suitable to the needs of hospitals and others who appreciate the value of an apparatus capable of being removed really aseptic. The table top and the top of cover are of porcelain enameled steel, while the legs and body are of steel, in hard baked white enamel finish. The table plate containing dial, selector, rheostat, milliamperemeter, rheotome, flexible coil, auxiliary transformer, etc., is placed underneath the hinged cover, which may be opened when in use. The lower shelf may be used to accommodate a battery or motor generator when needed, while the electrodes may be placed in two drawers provided for that purpose. The table has rounded corners with no crevices to catch the dust and is mounted upon four-level, easy running casters. The measurements of the table are 42 inches in height, 30 inches in width and 29 inches in depth.

Price, fitted with type II plate

\$125.00

Price, style "T" asbestic table only, without plate, suitable for fitting any table or wall

plate 18 inches square

\$7.50

McINTOSH No. 6 WALL CABINET

S-80 This instrument is well and liberally known among electricians throughout the type of McIntosh plate which is more generally used, from the fact that for a thoroughly high grade equipment, it is sold at a very popular price. The plate proper consists of white porcelain upon which is mounted the meter, rheostat, switches, etc. The rheostat is of the MacLagan type as used in the highest priced McIntosh cabinets. Milliamperemeter is supplied with a shield scale giving two readings for light and heavy currents. The cabinet is built of quarter sized oak and highly finished. Glass in the door is paneled, so that the cabinet offers an attractive appearance in every respect.

McIntosh No. 6 Wall Cabinet for 110 volt direct current or 110 v. \$100.00

In writing as concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



S-25



S-50

GALVANIC AND FARADIC APPARATUS—Continued

A Wall Plate, whether in the possession of many, is not a generator but a controller of electrical current, and in selecting a wall plate this very factor should be of the utmost importance in making the final decision before ordering.

It will be true that control is the important factor of a wall plate or cabinet, then one must naturally take that factor which gives the greatest refinement of control is unquestionably the best wall plate. This is the claim made for the Victor line of wall plates. We illustrate four and briefly describe two of the most popular types of Victor wall plates and cabinets.

VICTOR OXFORD PLATE

S-25 Designed to deliver galvanic, primary faradic, secondary faradic, binding posts being provided for connecting a meter in the galvanic circuit if desirable. A diagnostic lamp circuit is also provided for lighting the endoscopic or head lamps of the microscope type, this circuit being entirely independent of the patient's circuit.

The rheostat is of approved construction, all contacts are provided with plunger springs for insuring perfect contact at all times, and the knob is of the highest order. This plate is designed so that it can be mounted on either table or wall.

Price complete with one pair electrodes and cords \$25.00

VICTOR NO. 2 WALL PLATE

S-50 Designed for the control of galvanic, primary faradic, secondary faradic and a combination of galvanic with secondary faradic. A diagnostic lamp circuit is also provided which is entirely independent of the patient's circuit.

This plate differs from the Oxford in the following respects: The No. 2 wall plate has a double wound "dead beat" milliammeter meter and an automatic rheostat with 21 different rates of interruption. The faradic coil is provided with two vibrators, one coarse and one fine. The current is under finger control, which is secured by a worm gear device which makes it absolutely impossible to accidentally shock the patient while the treatment is being given.

This plate is interchangeable in various cabinets and is found to receive a most favorable response both in appearance and results obtained.

Price complete with one pair of electrodes and cords \$35.00

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



\$-95A



\$-100

GALVANIC AND FARADIC APPARATUS—Continued**VICTOR NO. 2 WALL CABINET**

This outfit is not shown but consists of the same plate which is shown in the No. 1 cabinet, only it is mounted in a long cabinet similar to the No. 4 less the motor transformer.

The only difference between the No. 1 and No. 2 plates being in the mounting, the same description will apply in both outfits and personal taste will decide which plate to select.
 \$45 Price, complete with one pair of electrodes and cords. \$90.00

VICTOR NO. 4 WALL CABINET

\$513. This cabinet has the same plate as has the Nos. 1 and 2 cabinets and controls all of the above mentioned currents and in addition, the catenary and sinusoidal currents with the same refinement of control.

A motor generator is mounted in the lower part of the cabinet and its function is for the generation of the two last mentioned currents.

Price Victor No. 4 Wall Cabinet..... \$140.00

VICTOR NO. 5 FLOOR CABINET

\$500 This outfit delivers precisely the same currents and is in every respect a duplicate of the No. 4 combination outfit, excepting that it is in the form of a floor cabinet instead of a wall cabinet. As will be seen in the illustration, the motor transformer which generates the sinusoidal and catenary currents is mounted upon a sliding shelf so that when it is desired to obtain catenary current, a drop door is opened and this shelf pulled forward. This is only necessary when doing catenary work as the sinusoidal current is delivered to the plate through a switch which will be actuated on the outside of the cabinet.

Price Victor No. 5 floor cabinet..... \$130.00

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.

THE PANTOSTAT

An apparatus to cover all conditions as required by the electro-therapist. At hand, under the most minute control and of use for large and small currents. The Pantostat is known in the illustration as known as the Pantostat or universal apparatus, which has been tested after many years of experience.

In this apparatus the potentials of a ground circuit and accidental shock to the patient is avoided, as the electric current is used for driving the motor only; a separate dynamo generates the modifications applied to the patient.

All of the switches, rheostats and the motor are mounted on a steel base box which are built the control line rheostats, coil and transformers required for the various modifications. The following currents are obtained from the Pantostat: (1) galvanic current, (2) current for electrolysis, (3) current for cathodes, (4) faradic current, (5) combined faradic-faradic current, (6) current for lighting diagnostic lamps, (7) current for heating cautery electrodes. All currents are easily controlled, a perfect regulation from zero to maximum being a special feature of the apparatus.

In addition to generating current for therapeutic application, the power of the motor can be used for driving a laboratory, massage attachment, a rotary bone drill or a circular saw, a small pump for treatment of the respiratory tract, a pump for hyperemia treatment or small sprays and nebulizers.

To measure the galvanic current a milliamperometer of the most accurate type is employed.

The Pantostat is mounted on a table of steel, white enameled, with rubberized wheels and may be easily moved about.

The entire apparatus is elegantly finished in enamel, and makes a handsome appearance.

S-100. Direct current 110 volts.....	\$120.00
S-101. Direct current 220 volts.....	150.00
S-111. Alternating current 110 volts 50 or 60 cycles.....	175.00
S-120. Table for the above of steel, white enameled, with drawers for accessories on rubber lined wheels.....	50.00

Prices including accessories on application.



S-100

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



S-125

SINUSOIDAL APPARATUS

MULTIPLIX SINUSOIDAL OUTFIT

8125. The popularity of the sinusoidal current in the treatment of intestinal and other involuntary muscles has prompted many manufacturers in designing various forms of sinusoidal apparatus, but before this without question the Victor Multiplex here shown offers more in the satisfactory production of this current, the same control and scientific workmanship than any other similar device.

The sine wave may be absolutely controlled as to the length, and a separate controller permits control of the strength of the current. In addition the apparatus delivers a very rapid sinusoidal current for cell and nerve stimulation; a galvanic and a surging galvanic current.

Multiplex Sinusoidal Apparatus for 115 volt direct current, without milliamperometer.

\$55.00, with milliamperometer.

\$75.00



S-130

WAPPLER SINUSOIDAL MACHINE

8126. This apparatus is designed for the purpose of furnishing a sinusoidal current to those members of the profession who already have some kind of electrical apparatus with out a sinusoidal machine. The selected current from a wall plate is passed through the machine and is transformed into a wave or sinusoidal current. This current gradually rises and diminishes; the pulse is automatically changed and a true sine curve produced. The frequency is regulated by a tension spring. If the current from a galvanic battery is used, it can be interrupted by a small interrupter which will give a stronger muscular action and may replace the faradic.
Price \$25.00

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



S-135



S-145



S-146



S-150

MILLIAMPEREMETERS, RHEOSTATS, ETC.

THE COMPOSITE CONTROLLER

S-135 This Composite controller has been designed in such a way that it may be operated on either the 110 volt or 220 volt direct, and the 110 volt or 220 volt alternating currents. When used as direct current it delivers galvanic for light, lamp, or treatment, and a suitable current for illuminating small lamps, such as cathodes, hand lamps, etc. When used on the alternating current a very satisfactory diathermy current is available. Diagnostic lamps can of course be used when the alternating current is the source of supply.

\$20.00

MILLIAMPEREMETER

S-146 This meter will be found very accurate and reliable under all conditions and will work in any position. The range is from 0 to 100 milliamperes, but by the use of a shunt plug the total range may be made 30 milliamperes, thus giving ready reading when a small amount of current is used.

\$20.00

SINUSOIDAL SWITCH

S-148 Physicians having a wall plate or some other form of galvanic regulation, and also have the alternating current as a source of supply, will find this a convenient switch for changing the alternating current into the plate for sinusoidal treatment.

\$10.00

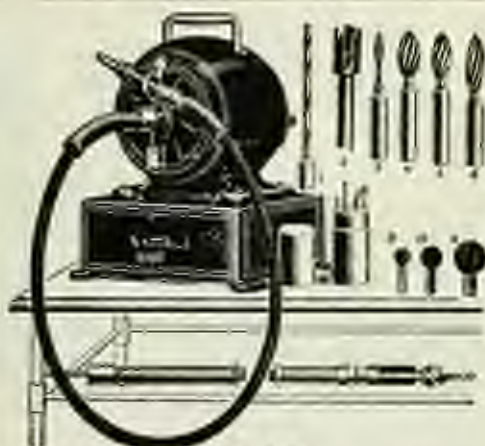
THE MUELLER WIRE RHEOSTAT

S-150 Constructed in the same form as used by all Mueller wall plates. It consists of a solid block of porcelain around which is a special composition wire of very high resistance and great durability. By moving the lever to the right an inner lever is made to travel across the surface of the wire resistance unit. This method of regulation permits of extremely minute gradations of resistance, thus permitting increase or decrease of current without shock.

Mueller rheostat mounted on polished oak base, with four binding posts.....\$7.50
Mueller rheostat, unmounted.....\$6.00



S-155



S-165

EYE MAGNETS AND BONE SURGERY ENGINES

S-155 The Glanz eye magnet shows illustrated various many difficulties which have been in free use, subjected to 12 operators of eye magnets, in that it gives free use of the instrument in any position, yet is of such design that its pulling power is as great as can possibly be used to advantage in any case of steel or iron within the eye.

The magnet is mounted in two forms, the one as illustrated on a crane and on a low base. The crane magnet however, is more generally used as by this method of suspension the magnet may easily be raised and lowered, and in fact moved in any position without difficulty.

It is best to use a rheostat in connection with a magnet of this immense pulling power, and we strongly advise the use of a best controlling rheostat as illustrated, when the Glanz magnet is used, in this way the power may be regulated from a few pounds pull to the square inch, to the maximum of 100 lbs. to the square inch.



S-160

Eye magnets must necessarily operate on direct current, but we would here state, that where the alternating current only is available the No. 2 rectifier WSA will be found perfectly satisfactory in this connection.

Vibro Glanz Magnet on metal base (not illustrated) for 120 volt direct current.....	\$30.00
Vibro Glanz magnet mounted on crane without foot rheostat, for 120 volt direct current.....	\$100.00
Foot rheostat.....	\$5.00
Graduated wall rheostat.....	\$5.00

NO. 3 HAND MAGNET

S-158 This magnet is 25 in. long and 1 1/2 in. diameter. It will be found of great service where the profile of steel or iron is only partially embedded, or in many cases where an incision is necessary. The tip may be introduced and brought into actual contact with the foreign body.

Price for 120 volt direct current or for batteries, including 5 tips, in leather case..... \$110.00

BONE SURGERY ENGINE

S-156 The use of the motor driven bar in many operations is becoming very popular, due to the fact that by this method there is less shock, the work may be done faster and there are no painful cuts as in the case of the chisel.

The engine here shown has been extensively used during the past few years in operations on the mandible and maxilla. If interested please send for complete technical description of this engine.

Price for 24 volt direct current.....	\$115.00
Price for 120 volt alternating current.....	\$15.00

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



BATTERIES, BATTERY TESTERS, REDUCERS, ETC.

S-176	National wet cell battery, 44½ inch.	\$1.00
S-177	Quick Action battery connector made of one piece of copper insulated, per dozen.	.25
S-180	Columbia dry cell, No. 1 size 2½ in. dia. 5 in. H. No. 2 size 2½ in. dia. 4 in. H.	.30
S-185	Ever Ready dry cell No. 4 contained in a square box, each.	.25
S-190	Multiple plug. By inserting one of these plugs into an ordinary lamp socket the appliance is enabled to attach two or more instruments. Two light, \$1.00; three light, \$1.50; four light.	1.40
S-195	Ever Ready Battery Tester. This instrument combines both a voltmeter and ammeter.	2.00
S-200	Rebel Rheostat. A compact rheostat designed for controlling the speed of st. motors, centrifuges, etc. The speed is controlled by turning the knurled ring at the end. Will operate on 110 volt direct or alternating current.	2.50
S-205	Reducing Rheostat. This arrangement will reduce the 110 volt direct current to 110 volt direct current, for operating wall plates, complete.	5.00
S-210	Series Current Tap. This tap is to be used where apparatus requires a lamp in series.	1.25
S-215	Inconvenient lamps for illumination and resistance. Lamps listed below are for the 110 volt current, direct or alternating.	
S C P.	110, 150, candle shape.	1.10
S C P.	110, 150, round.	1.10
S C P.	110, 150, pear shape.	1.10
S C P.	110, 150, resistance lamp, natural blue glass.	1.00
S C P.	110, 150, resistance lamp, natural blue glass.	1.25
S C P.	110, 150, resistance lamp, natural blue glass.	1.25
S C P.	110, 150, round bulb, spiral filament, incandescent lamp.	1.50
S C P.	110, 150, round bulb, spiral filament, incandescent lamp.	1.50
S C P.	110, 150, round bulb, spiral filament, incandescent lamp.	1.50
S C P.	110, 150, round bulb, spiral filament, incandescent lamp.	1.50

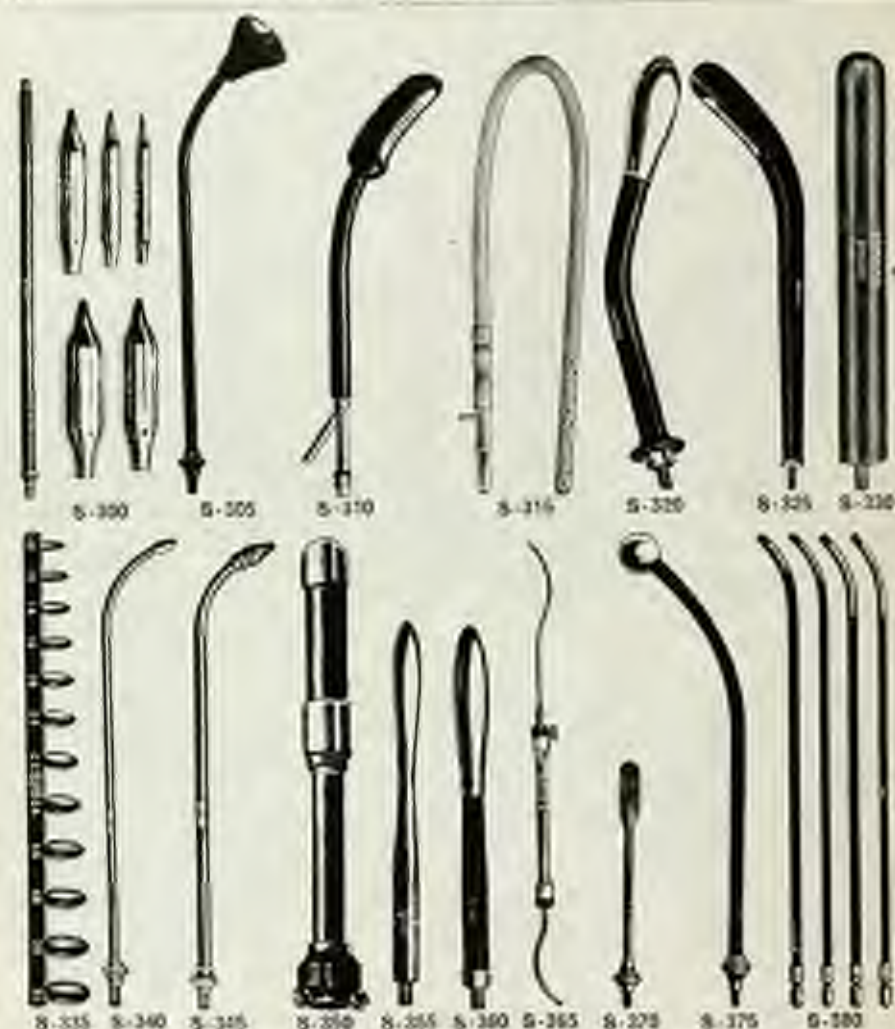
In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



GALVANIC AND FARADIC ELECTRODES

S-225	Connectors of No. 11, each.....	30 34
S-225	Rolling handle.....	80
S-230	Hand sponge electrode, sponge plate, 30 40; sponge.....	70
S-235	Intertrapping handle, metal parts are lightly finished and tapered. Handle is made of rose wood, especially useful for nerve test.....	1 25
S-240	Needle holder without lens, 30 35; with lens.....	1 30
S-245	Core tip, universal type, each.....	10
S-250	Disc electrode, Dr. Hildner's. May be covered with absorbent gauze after each treatment, each.....	50
S-250A	Electrode handle only, per pair.....	80
S-250B	Sponges does, per pair.....	30
S-255	Brush electrode.....	75
S-260	Metal handle, nickel plated, per pair.....	75
S-265	Wrist or arm electrode.....	20
S-270	Neck electrode.....	20
S-275	Universal electrode, made of non-corroding double metal, easily adapted to any part of the body.....	1 00
S-280	Electrode rods, per pair, 5 ft., 30 50; 6 ft., 30 60; 7 ft., 30 70.....	70
S-285	Abdominal electrode, Dr. D. S. Hayes', sponge plate.....	1 25
S-290	Needles for electrolysis, Mayne', hollow pointed, each, 30 35; per dozen.....	1 00
S-295	Steel beaver, sharp, each, 30 40; per dozen.....	75

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



GALVANIC AND FARADIC ELECTRODES—Continued

S-300	Rectal stimulator electrode, Allis's, per set of 5.....	\$4.50
S-305	Stimulus electrode, ring shape on insulated staff.....	3.00
S-310	Prostatic electrode, Patterson's, for cathartic treatment.....	4.00
S-315	Prostatic electrode, Netemeyer's, complete with gold heater's wire.....	1.00
S-320	Vaginal electrode, curved, may be also used as rectal.....	1.00
S-325	Prostatic electrode, Bowen's.....	1.00
S-330	Vaginal electrode, nickel plated.....	1.00
S-335	Vaginal electrode, No. 10 to 12 Pt. per set of 12.....	1.00
S-340	Staff for rectal electrodes, flexible or hard rubber each.....	1.00
S-345	Laryngeal electrode with sponge tip.....	1.00
S-350	Vaginal electrode, bipolar, Gomer's.....	1.00
S-355	Rectal electrode, nickel plated.....	1.00
S-360	Rectal electrode, insulated polished hard rubber stem.....	1.00
S-365	Intra-uterine electrode, Martin's, double and, copper.....	1.00
S-370	Fire electrode, copper.....	1.00
S-375	Vaginal electrode, Goldberger's, copper, \$1.00; carbon, \$1.50; zinc.....	1.00
S-380	Intra-uterine electrode, Netemeyer's, copper, set of 4, \$1.00; case only.....	1.00

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



GALVANIC AND FARADIC ELECTRODES—Continued

S-385	Intra-uterine dilating electrodes, Goch's, set of three with one shaft, nickel plated, \$1.25; copper, \$1.50; zinc, \$1.75	\$1.50
S-390	Vertical electrode, double	1.50
S-395	Cathodic urethral electrode	1.50
S-400	Vertical cathodic electrode, Neuwanger's, for application of electricity, with two shovels, 35 and 34.5V	2.50
S-405	Cervix electrode, Neuwanger's cathodic, for application of electricity	2.50
S-410	Vaginal electrode, Neuwanger's, plates are of black tin	2.50
S-415	Intra-uterine electrodes, Goch's, set of four, 12 to 20 V	2.50
S-420	One only	2.50
S-425	Eye electrode	2.50
S-430	Vaginal electrode, Neuwanger's cathodic, with perforated copper foil	2.50
S-435	Rectal electrode, copper, \$1.50; nickel plated	2.50
S-440	Rectal electrode, copper	2.50
S-445	Nasal electrode, Sharp's, copper, single, \$1.50; double	2.50
S-450	Anaesthetic electrode, Dr. Hott's. Especially designed for use as the tin	2.50
S-455	Anaesthetic electrode	2.50
S-460	Rectal electrode, Neuwanger's, perforated copper foil	2.50
S-465	Cervix electrode, Fitz Hugh's, copper	2.50
S-470	Electrodes show one of a number of well selected sets of electrodes, we carry such sets for all classes of work, and when so purchased a saving in the price of electrodes may be made. Send for special list.	2.50



HEAD LAMPS, CONTROLLERS AND BATTERIES

S-475 Klier Electric Head Lamp. This lamp is constructed along original lines; in as much as it is adjustable as to the field of light, and is entirely free from the objectionable shadows which are so often cast by electric head lamps.

Price, Klier Electric Head Lamp.....

\$3.00

S-470 V. Mueller & Co.'s Electric Head Lamp. This lamp is substantially constructed, having a powerful incandescent lamp, the light of which is concentrated through a condensing lens of such proportions as to give an intense field of light at the proper operating distance.

When desired we can supply a heavy size head band in place of the steel band without additional cost.

V. Mueller & Co.'s Electric Head Lamp.....

\$2.00

S-480 Socket Rheostat. This rheostat when used from any ordinary electric light socket serves as a means of reducing and controlling current, so that various forms of miniature lamps may be used.

Socket containing rheostat, complete with resistance lamp as illustrated.....

\$5.00

S-485 Pierce Electric Head Lamp. The light is emitted by an S. C. P. lamp and the reflector being made of aluminum does not tarnish.

Pierce Electric Head Lamp for 120 volt current.....

\$1.50

S-490 Dr. Cherrill Jackson's portable double circuit illuminating battery.

We recommend this battery for use with thermoscopes, spectrosopes, etc.

Dr. Cherrill Jackson's Illuminating Battery without cords.....

net \$25.00



S-495



S-500



S-505



S-515



S-510

GENERATING SETS, MOTORS AND DYNAMOS

DIRECT-CONNECTED GENERATING SET

S-495. The Victor direct-connected set, illustrated, consists of an alternating current motor attached by means of an insulated coupling to a direct current generator, which generates direct current suitable for operating therapeutic machines, galvanic controllers, wall plates, small x-ray machines, etc. The larger generating set has a capacity of one ampere at 110 volts. The smaller size about one-half this capacity. The direct current generated is even and smooth, closely resembling that which is obtained from cells.

A pulley is attached to the motor shaft of the larger set, thereby making it useful for operating air compressors and other motor driven appliances.

No. 1 generating set for 60 cycle alternating current.....\$64.00

No. 2 generating set for 90 cycle alternating current.....50.00

DIRECT-CONNECTED CARBOLINE ENGINE AND GENERATOR

S-500. Where no current is available this set can be operated at but little more expense than if current were bought from the central station. It is of the very highest grade construction in every respect and requires but little attention.

Prices vary according to the output desired.

VARIABLE SPEED ALTERNATING CURRENT MOTORS

S-505. We call attention to the fact that we can now supply a first class alternating current motor, the speed of which may be controlled without the use of a rheostat. These motors are thoroughly reliable and fully guaranteed.

Prices are based on current of from 101 to 115 volts, 60 cycle.

12 horse power.....\$25.00

14 horse power.....30.00

16 horse power.....35.00

18 horse power.....40.00

DIRECT CURRENT MOTORS AND DYNAMOS

S-510. We recommend the Victor Direct current motors and dynamos for physicians' use, for the reason that they are specially designed for this class of service. Their construction is of the best, and being carefully made they are extremely quiet in operation.

12 horse power motor or dynamo.....\$22.50

14 horse power motor or dynamo.....26.00

16 horse power motor or dynamo.....30.00

FIXED CONTROLLING RHEOSTATS

For direct current motors

R-215 12 horse power.....\$5.00

R-216 14 horse power.....5.00

R-217 16 horse power.....5.00

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



S-570



S-575



S-510



S-525

CATTERY TRANSFORMERS FOR ALTERNATING CURRENT

VICTOR NO. 2 COMBINATION TRANSFORMER

S-520 This Transformer has been designed for the same service when supplied with the alternating current, as is obtained from the Victor No. 2 transformer Fig. S-540 on direct current. The Moseley pump is of the Flywheel type, with the difference that its speed in this case is controlled entirely by mechanical means instead of only partially so as in the case in the direct current unit. Any number of strokes from 0 to 4,000 per minute may be had.

Price of such as shown in graphic 204 volt to 115 volt current \$100.00
 Price of built without rotary transformer 7.00

VICTOR ALTERNATING CURRENT CATTERY TRANSFORMER

S-522 Illustration shows this Transformer as arranged for 51 or 115 volt alternating current. When so specified it may also be supplied to operate on 220 volt alternating current.

The arrangement is such that cattery knife may be located and diagnostic lamp lighted at the same time, each controlled independently. From the smallest to the very largest knife may be tested.

Price \$25.00

M-ESTERLY NO. 1 CATTERY TRANSFORMER

S-524 Is arranged with two separate thermos, one for cattery, the other for auxiliary lamps, each rheostat being mounted independently of the other.

A new and very convenient form of rheostat is supplied for examining lamps, making it possible to regulate the current to the most degree.

Price for 115 to 115 volt alternating current \$15.00

COLUMBIA CATTERY TRANSFORMER

S-526 This is a compact efficient transformer, arranged with rheostats for both cattery and diagnostic lamps. For the average cattery electrode or examination lamp the current delivered is quite ample, though for the treatment of this transformer for heavy work as for lamps requiring a considerably heavy current.

Price for 115 to 115 volt alternating current \$15.00

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



S-540



S-545



S-550



S-555

CAUTERY TRANSFORMERS FOR DIRECT CURRENT

VICTOR NO. 2 CAUTERY TRANSFORMER

S-540 This well known transformer combines several features which make it an especially useful apparatus for eye, ear, nose and throat specialists, or for the general practitioner. The transformer delivers current suitable for the heaviest cautery electrode, for diagnostic lamps and a sinusoidal current of comparatively high rate of reversal when used through some form of rheostat.

The Mammot pump is of the Frazer type and of especially fine construction. By an arrangement of the valves it is possible to secure various action with release, action and compression, or compression.

The length of stroke is adjustable and the speed is of course controlled by means of the rheostat.

Freedom is made for attaching a double shaft for manual drilling, crimping, etc., or for a double shaft vibrator.

Price for 110 or 220 volt direct current without pump.....\$55.00
Additional for pump.....25.00

VICTOR NO. 1 TRANSFORMER

S-545 This transformer is built along the lines of the No. 2, but is of more compact design. It delivers all the currents which are to be had from the No. 2, with the exception of sinusoidal.

Price complete as shown arranged for 110 volt direct current.....\$55.00
For 220 volt add \$2.00 to direct price.

VICTOR NO. 3 TRANSFORMER

S-550 The No. 3 transformer is of the same general design as the No. 1, but is not arranged for the attachment of the Mammot pump, as the operating double shaft drives. (Can also be supplied so that a rapid sinusoidal current may be obtained, though an additional rheostat is necessary for controlling the voltage of this sinusoidal current.)

Price for 110 volt direct current.....\$25.00
Additional for 220 volt direct current.....5.00

Additional for sinusoidal current.....12.00

STORAGE BATTERY CAUTERY APPARATUS

S-555 To the physician who has no electric light service available, we can recommend this storage battery as a thoroughly reliable cautery apparatus. This battery is charged by means of three primary cells, the solution for which can be prepared in a few minutes' time.

Price of one cell storage battery.....\$5.00
Three gravity cells.....5.00

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.





S-560



S-565



S-570



S-575



S-580



S-585

CAUTERY ELECTRODES

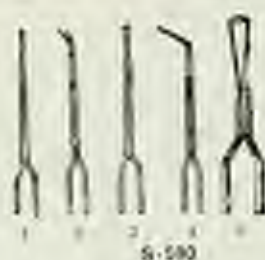
S-560 Nos. 1 to 19 inclusive, and No. 25, each.....	90 00
Nos. 20 to 24 inclusive, and No. 26, each.....	50
Nos. 27 and 28, each.....	1 00
Nos. 29 to 33 inclusive, each.....	1 25

EXTRA HEAVY CAUTERY ELECTRODES AND HANDLE

S-566 Heavy cautery handle with sliding insulation sliding contact, and nickel plated anvil.....	11 00
S-576 Heavy cautery electrode, bistoury-shaped.....	4 00
S-577 Extra heavy cautery electrode, flat, ball shape.....	15 00
S-578 Extra heavy cautery electrode with porcelain insulation 1/2 mm. long and 1 mm. diameter.....	0 00
S-579 Extra heavy cautery electrode, sharp pointed.....	10 00

The heavy electrodes S-576, 577 and 579 can be used with cautery handle S-566 only.

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



S-500



S-505



S-500



S-503



S-510



S-515



S-520

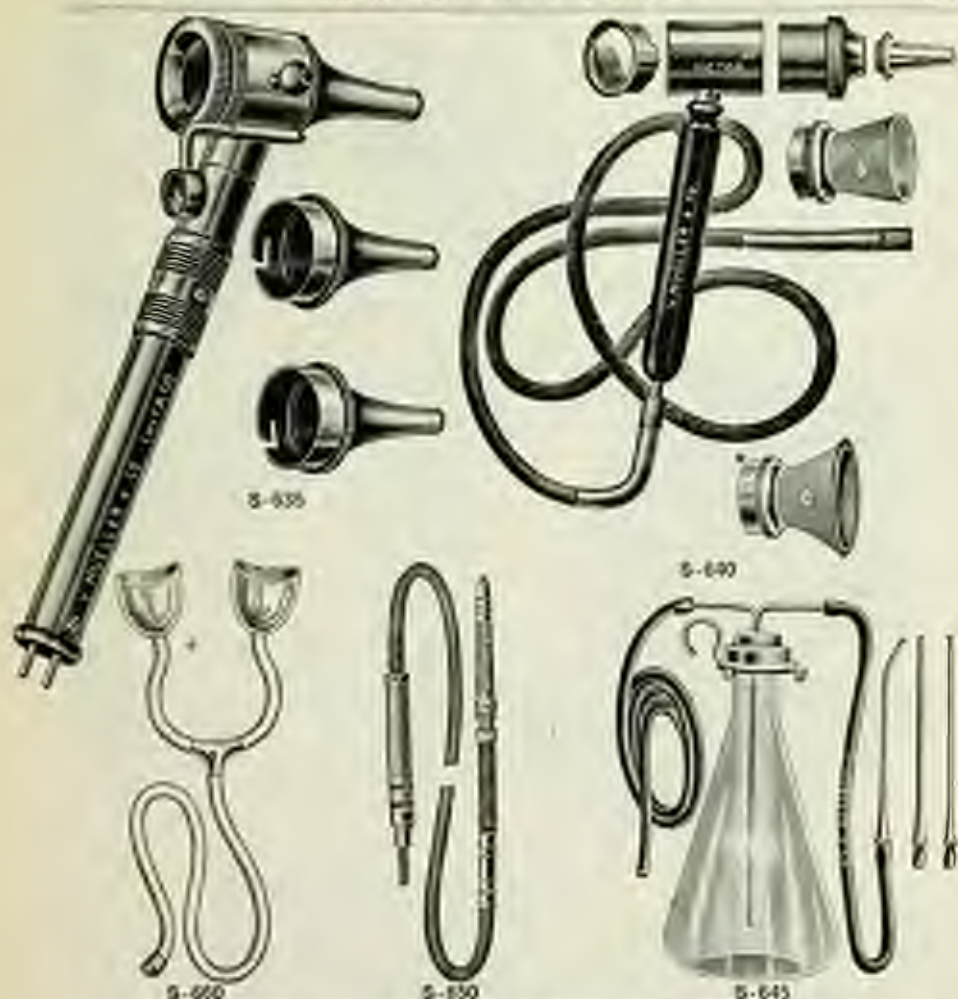


S-525

CAUTERY ELECTRODES, CORDS AND HANDLES

S-500	Eye cautery electrodes, five different shapes, each	\$1.00
S-505	Zinger's set of eye cautery electrodes, with ivory carrying handle in plain case	\$2.00
S-506	Eye cautery handle with carrying cord	\$1.00
S-507	Victor cautery handle, with spare wheel, 24 in.; without spare wheel	\$1.00
S-508	Plain cautery handle	\$1.00
S-509	Victor cautery handle with spare attachment	\$1.00
S-510	Victor cautery handle	\$1.00
S-515	Large cautery electrodes of various shapes, each	\$1.00
S-520	Extra heavy cautery cord, 2 ft.	\$1.00

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



ACCESSORIES FOR USE WITH COMBINATION TRANSFORMERS

ELECTRICALLY LIGHTED PNEUMO-AUDIOSCOPE

S-635 This microscope is of substantial construction and combines the features of a pneumatic and operating instrument. The lens and mounting fit as a cap to seal the end of the instrument, making it a perfect otoscope. A lamp is fitted with a lens which focuses the light. The sliding switch on the handle controls the light.

Price complete with three specula and cord..... \$3.50

PNEUMO-MASSAGE HANDLE

S-636 This instrument can be attached to any air pump, for the pneumatic massage of eye and ear; also by means of the soft rubber attachment C, may be used for general massage. A magnifying lens is set in the back so that the efforts may be observed. A valve is provided so that the air may be easily controlled by the thumb.

Price as shown without attachment C, \$2.00; attachment C..... \$1.50

VACUUM BOTTLE

S-645 This bottle is being successfully used for the reflection of viscous and blood during operation. When connected to one of the Maseur pumps, sufficient vacuum is produced to do the work, thus making the operation practically free from the usual poisoning, etc.

Price..... \$1.00

SURGICAL CABLE, SHEATH AND HAND PIECE

S-640 This attachment may be used with the transformers shown with motor in connection.

Price..... \$2.00

S-660 Glass eye cups for pneumatic massage, single, \$1.25; double..... \$2.00

PORTABLE VIBRATORS

VICTOR PORTABLE VIBRATOR

This vibrator will be found to fit a well recognized demand for a comparatively light and portable vibrator. Both the oscillator and power strokes are obtained. The regulation of the strength of stroke is controlled by means of a visible scale.

8-65 Price complete with carrying case and regulations for either direct or alternating current of 110 volts..... \$10.00



S-655

KINISTON PORTABLE VIBRATOR

The Kiniston Portable Vibrator is probably better known than any other vibrator of this type. It is simple in construction, strong, durable and has no small parts to wear, break or get out of order. Weighing but 20 lbs., it does not tire the operator, yet is capable of giving a very powerful stroke for stimulatory stimulation. The strength of vibration is controlled by means of a small lever within reach of the finger, making it possible to control the strength without stopping the motor. It gives two movements, the wave or Swedish massage movement, and the percussion for deep vibration.

8-66 Price complete in carrying case as illustrated for 110 volt current..... \$11.00



S-670

ROYAL PORTABLE VIBRATOR

This vibrator meets a popular demand for an inexpensive machine which may be used either by the physician in the office, or in many cases by the patient in the home. The work is well constructed having bronze bearings throughout, copper commutator, adjustable speed and is well balanced so that it is very quiet in operation.

The form of stroke delivered is circular, thus imparting a rubbing movement to the parts under treatment.

Will operate in either direct or alternating current of 110 volts.

8-67 Price complete with carrying case and regulations as illustrated..... \$12.00



S-675

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



S-710

S-700

S-705

OFFICE VIBRATORS

S-700. The Victor No. 1 vibrator is designed for and sold to physicians exclusively, and is unquestionably the best massage vibrator on the market.

The outfit consists of a Victor massage motor, especially wound for this work, and to the motor is attached the Victor No. 1 massage handle, which delivers three forms of vibration: massage, viz.—(1) percussion stroke; (2) frictional or rubbing stroke; (3) synchronous wave—a most important movement in massage. The strength of stroke as well as the number of vibrations is in all cases under perfect control of the operator. The handle is designed in such a way that it can be used for general massage without any applicators, and for local work the applicators are attached to the handle.

As the applicators are not connected direct to the running apparatus, the speed or strength of stroke is not affected by persons. This machine is furnished with or without pedestal as desired.

Price, complete with 5 applicators arranged for 110 volt direct current..... \$28.00

Price, complete with 5 applicators arranged for 110 volt alternating current..... 35.00

Pedestal as Fig. S-700 extra..... 20.00

S-705 Pedestal, extra..... 15.00

VICTOR MASSAGE HANDLES

S-710. For the benefit of those who are already equipped with the proper method of power and wish to use a vibrator, we are prepared to furnish the Victor massage handle, which is exclusively supplied with the Victor No. 1 vibrator, for attachment to any motor which has facilities for attaching a flexible shaft.

The Victor handle is furnished in two sizes, the No. 1 size being the largest and having sufficient power for the most deep seated work. The No. 2 handle is designed more especially for the eye, ear, nose and throat specialist for use about the face and head. It is not recommended for general body work, as it is not capable of producing vibration of deep penetration.

Price of No. 1 handle with six applicators..... \$22.00

Price of No. 2 handle with four applicators..... 25.00

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



VIBRATOR APPLICATORS

8-715 No. 1 soft rubber brush applicator.....	\$2.00
No. 2 soft rubber corrugated cup.....	.40
No. 3 soft rubber multiple point brush.....	.75
No. 4 soft rubber cone, adapted to nostril and head.....	.60
No. 5 large concave heart applicator.....	1.25
No. 6 hard rubber corrugated disc for abdominal massage.....	.75
No. 7 small corrugated hard rubber disc.....	.60
No. 8 combined applicator for general work.....	.90
No. 9 soft rubber cone.....	.60
No. 10 soft rubber cups for eyes and nose.....	.40
No. 11 rectal for external use.....	.75
No. 12 solid soft rubber ball, 1 1/2 in. diameter.....	.75
No. 13 hard rubber.....	.75
No. 14 large convex hard rubber muscle roller.....	1.25
No. 15 large concave hard rubber muscle roller.....	1.25

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



27
S-715

VIBRATOR APPLICATORS—Continued

S-715 No. 18 spinal applicator of metal.....	21
No. 17 hard rubber for throat.....	12
No. 19 soft rubber rectal applicator, 5 in. long.....	12
No. 19 soft rubber rectal applicator, 12 in. long with flushing attachment.....	12
No. 20 combination applicator and electrode.....	12
No. 21 metal rectal case, J. R. Pennington.....	12
No. 22 hard rubber rectal, internal.....	12
No. 23 straight probe for uterine membrane.....	12
No. 24 hard rubber uterine.....	12
No. 25 spring for loosening severity of vibration. Illustration shows application.....	12
No. 26 bougie for massaging prostatic region through urethra, soft metal, two sizes, each.....	12
No. 27 field applicator, vaginal. A satisfactory applicator for uterine and vaginal treatment. The rubber bulb are inserted before filling with hot or cold water. Large, medium and small.....	12
Frame and stop cocks.....	2.00
Applicators, each.....	1.00

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



S-720



S-720A

ZANDER MEDICO-MECHANICAL GYMNASTIC APPARATUS

The Zander medico-mechanical gymnasticon, or the gymnastic peddle (invented by Dr. H. Zander of Han-nobau), makes use of ingeniously constructed apparatus designed to call forth the activity and exercise of the muscles, which is the essence of all gymnastics. The so-called human method makes use of the muscular strength of another person for the said purpose; whereas in the exercises or so-called pedipede gymnastics, the resistance necessary for the muscle work is represented by one's own weight of body.

In the Zander method the work required for the exercise and strengthening of the muscles is produced by raising the lever of the apparatus furnished with a movable weight back and forth and gradual muscular exercises always modified according to the strength of the patients, not only act on the muscular tissue, the pathological conditions of which are removed, but they also strengthen the nervous system and promote the circulation of the blood and lymph and the activity of many organs.

The Zander method does not exclusively employ active muscular exercises, though these are of the greatest importance, but also passive movements in a large scale, i. e., such as move the members of the body without the help of the muscles, stretching and extending capsules, tendons, ligaments and muscles. Finally it employs mechanical operations such as vibration, percussion, kneading, rolling and friction.

The apparatus above illustrated shows two of some 50 various forms of Zander apparatus which is now being constructed in this country according to the original ideas of Prof. Zander. Complete description literature and prices will be sent upon request.

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



S-725

HYDROTHERAPEUTIC APPARATUS

NOTE. The most essential feature of a hydrotherapeutic equipment whether in hospital, institution, treatment room, or any other institution, is unquestionably a scientific double apparatus. The double offers the widest possible range of therapeutic benefits, from immediate analgesic and sedative relief to the most powerful tonic effects. Had he been certain of the extraordinary remedial power you must be wise in selecting your equipment, so as to receive the most adequate appliance at a minimum of necessary cost. Ask the great hydrotherapeutic experts for their counsel, and the majority will name the Kellogg double apparatus as the most efficient of its kind. Back of it is the inventive skill and tried experience of a physician who for more than a third of a century has had uncontroverted opportunities for the scientific study, practice, and development of hydrotherapy. And the apparatus has "made good" in hundreds of thousands of applications.

Range, efficiency, instantaneous control. The apparatus consists of two ordinary double apparatuses connected by a pipe, and each supplied with a thermometer. A pressure gauge between the valves indicates the pressure for both. By means of a switch connecting the valves so that they move together, water from either set of pipes may be directed upon the patient with the same water hose. Thus the attendant has complete and instant control of both the temperature and the pressure. The temperature scale is from 60° to 120°, and the pressure from one-half to forty-five lbs.

In giving the Scotch douche and the alternate douche, the temperature is exactly regulated in each of the two apparatuses to suit the needs of the case. By adjustment of the upper valves the pressure may be regulated instantly, and the switch permits the alternations of different temperatures to be made instantaneously. An extra service hose for each side permits the simultaneous employment of water at different temperatures.

Attachments for spray, jet, fax, and ascending douches supplied with the apparatus without additional cost.

Constructed of hot nickel plated iron, with china India valves, two thermometers, pressure gauge, and rubber hose attachments listed above.

Three slabs used with the appliance, either slate or marble, cost extra. Each slab six feet six inches high, three feet wide, one and one-fourth inches thick. Interior of slab three feet square; overhead shower six feet six inches above floor. Double cabinet may also be constructed of wood, zinc, enameled iron, slate or Portland cement, or asbestos.

Price, with attachments for spray, jet, fax, and ascending douches..... \$225.00

Office model (simplified apparatus)..... 100.00

Slabs, extra; slate, each, set \$20.00, marble, each, set..... 30.00

Ask us to quote on complete installation to meet your needs.



5-730



5-740

ELECTRIC BATH CABINETS

KELLOGG ELECTRIC LIGHT BATH CABINETS

5-730 The increasing use of the electric light bath cabinet has shown that the type where the patient is seated is probably superior to that where the patient reclines. It takes up much less room and the light is better concentrated. Many of the great clinicians of Europe and America, Whistons, Hahn, Boettcher, Chaffin et Carlo, Lehmann, Holzer, Kelllogg, Luke and others, all pay tribute to the extraordinary therapeutic range and power of the electric light bath, especially in chronic diseases.

Dr. J. H. Kelllogg is the originator of this form of treatment and cabinets made under his supervision are considered the best in every respect.

The model illustrated has "light in" electric light foot warmers, glass panel in the door to observe the patient and fine proof wiring. An improvement has also been made in the radiating surface, hence more light and heat are available for the space occupied than in other types.

We recommend this cabinet for the hospital, malaria, treatment rooms, etc.

Cabinet is 42 ins. square and 54 ins. high. The wood work is of quartered oak highly finished. There are 5 mirrors of the best quality of French plate glass set in octagon.

11 lamps which are fed from 5 separate circuits, each circuit being regulated by a separate switch.

A stool stool is furnished with each cabinet.

Kelllogg's standard Model Bath cabinet

\$250 00

KELLOGG OFFICE MODEL

5-735 This physician's office, clinic, house, etc., where no attendant is required. This would be found a very satisfactory cabinet. The switches are placed on the inside so that the light may be regulated by the patient. The floor space required is 4 ft. 7 ins. by 2 ft. 8 ins.

Stool stool is furnished without extra charge.

Bath cabinet, office model, style A finished in satin walnut.

\$200 00

Style B with foot warmer

\$240 00

Style C finished in quartered oak with plate glass mirrors and foot warmer.

\$200 00

COLUMBIA ELECTRIC LIGHT BATH CABINET

5-740 This cabinet is made of quarter sawed oak or birch, mahogany stained, containing 11 50 C. P. lamps, 7 on each side, 4 at the back, 4 on the frames border the door, one under the door and 4 on the door in parabolic reflectors, concentrating the light and heat over the chest and abdomen of the patient.

The floor of the cabinet is covered with a heavy white linoleum.

Dimensions 30 ins. high, 42 ins. wide, 42 ins. long.

Columbia Electric Light Bath cabinet

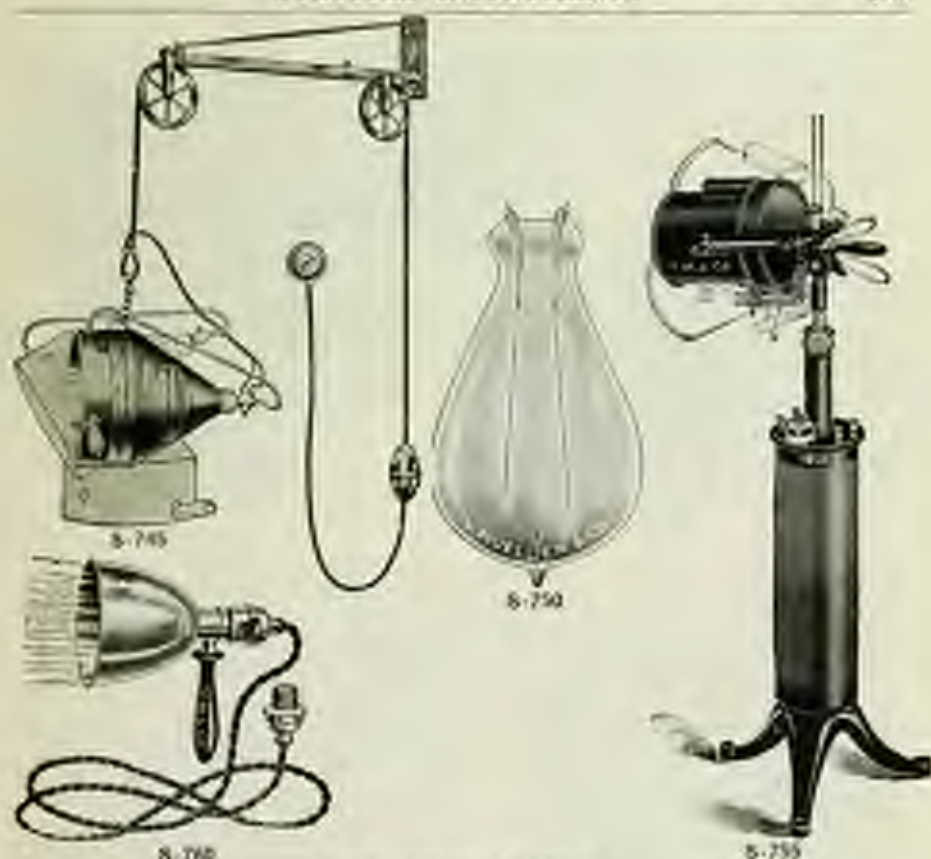
\$150 00

This cabinet can also be supplied without floor and without reflectors on the door. It is then furnished with 10 50 C. P. lamps, but lighter wood work is used.

As above described

\$125 00

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



THERAPEUTIC LAMPS

LEUCODISCRENT THERAPEUTIC LAMP

S-745 The Leucodiscrent lamp is the most powerful photo-therapeutic apparatus of the incandescent type. Its spectrum shows a very superior blend of the yellow-green (light energy) and blue-violet (chemical) rays. Its use is indicated as a means of promptly relieving post-operative conditions, inflammation and septic diseases, induces local or general hyperemia to raise the epidermic index.

Write us for literature and prices of the various Leucodiscrent lamps.

50 C. P. INCANDESCENT LAMP

S-750 This lamp is of the same variety as is generally used in the various forms of therapeutic lamps, which depend upon the incandescent lamp as a source of light.
Price for 100 volt current.....\$2.00

BUN THERAPEUTIC LAMP

S-755 This lamp places at the command of the physician a thoroughly scientific apparatus. Every result to be expected from the arc lamp form of treatment may be had, in well-contained and comparatively light. Means are provided for raising the lamp to any desired height and to adjust the beam to any position. Reflector is made of heavy glass that which is proof against deterioration, and by an arrangement of shifting the reflector, the distance between reflector and arc may be changed, thereby changing the focal point of the light. Complete control of the intensity of the light and heat may thus be had without changing the position of either patient or lamp.

Two colored screens, red and blue, also 12 special carbons are furnished with each lamp. Price for operation on either direct or alternating current of 110 volt.....\$5.00

PORTABLE THERAPEUTIC LAMP

S-760 The pocket and reduce of this lamp are of use place. The reflector being hand furnished and readily placed gives great intensity of light. A 50 C. P. special filament lamp is used.

Portable therapeutic lamp for 100 volt current.....\$6.50
Screens, red, amber, blue or violet, each.....1.50



S-765



S-770

ELECTRICALLY HEATED HOT AIR APPARATUS, OZONATORS

TRYNAUER THERMO-ELECTRIC APPARATUS

S-765. The results in the treatment of joint diseases which have been had by Trynauer of Carbondale, are well known throughout the world.

The apparatus here shown is made under direction of Dr. Trynauer and has the proper degree of heat for closely following his prescriptions, it being possible to secure as high as 120 degrees in from 4 to 5 minutes. The heat may be regulated at will.

Three types are built for different parts of the body, the one shown is the most popular as it is adaptable for either the treatment of knee, foot or hand and the elbow.

Full descriptive catalogue sent upon request. Trynauer's electrically heated hot air apparatus for knee and foot.....\$25.00
S-770. Used for treatment of hand or elbow.....\$25.00

FRANKLIN'S HOT AIR APPARATUS

S-770. On one end of the cylinder there is a large door which can be easily opened. To the other end is attached a flexible rubber cloth with draw-strings and straps. The cylinder is made of copper 24 ins. long by 16 ins. diameter.



S-775

A Thermometer is furnished (registering up to 400 degrees F.)
Price for 120 volt current either direct or alternating.....\$25.00

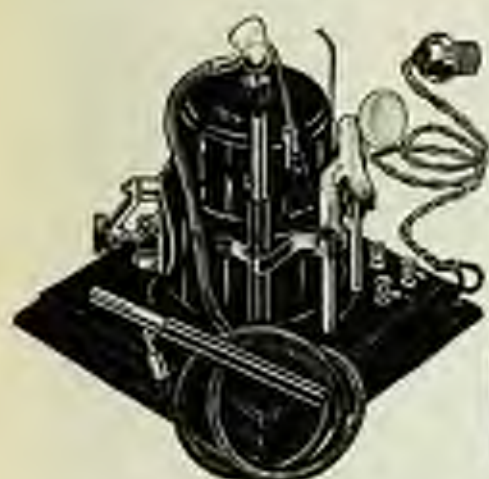
ORIGINAL NEEL-ARMSTRONG OZONATOR

S-775. During the past few years the use of free ozone, when passed through a bath of pine oil, has been extensively used and is becoming well recognized as an agent of first importance in the treatment of many conditions, which may be due to impurified blood conditions and deficient oxidation. The Neel-Armstrong ozone apparatus, represents the highest type of equipment for the administration of ozone.

The apparatus is supplied in three styles:
Neel-Armstrong Ozoneator for one patient.....\$125.00
Neel-Armstrong Ozoneator for two patients.....\$75.00
Neel-Armstrong Ozoneator for four patients.....\$50.00

Above prices are for alternating current. If direct current is used add \$25.00.
Write us for special literature.

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



S-789



S-785

PORTABLE HIGH FREQUENCY COILS

VICTOR GENCO HIGH FRE- QUENCY COIL

S-786 The Genco unit has enough strength to deliver a high frequency current sufficient to weld all ordinary vacuum electrodes, this model is perhaps being used to a greater extent than any other form of high frequency treatment.

In addition to the vacuum electrode treatment, facilities are offered for utilizing the static spark and the corrective discharge or inductive treatment.

Four vacuum electrodes, electrode lead wire, and a protective case are furnished without extra charge.

Price complete for 120 volt direct or

alternating current \$25.00

COLUMBIA PORTABLE HIGH FRE- QUENCY COIL

S-787 This coil offers a compact form of high frequency apparatus, though of course it is not adapted for X-ray work. Will deliver a spark 2 ins. in length and sufficient quantity of current for easily exciting all ordinary vacuum electrodes.

Price, complete, including electrodes

and handle as illustrated \$20.00

VICTOR NO. 1 PORTABLE X-RAY AND HIGH FREQUENCY COIL

S-788 This is a very popular model of portable coil, and with it one is enabled to use the X-rays for all therapeutic work, as well as for limited radiography, such as the upper and lower extremities, shoulders, wrist, etc., and the high frequency current is practically all of its forms.

The No. 1 coil is recommended to the physician whose practice requires both X-rays and high frequency currents for therapeutic work.

Price, arranged to operate on both direct and alternating current \$75.00

Tube and stand extra.

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



5.775

PORTABLE HIGH FREQUENCY AND X-RAY COILS

5.775 *Vacuo No. 1 Portable X-ray and High Frequency Coil.* This coil is designed for the general practitioner or surgeon in whose practice there are many indications for either X-ray or high frequency currents, or both.

From this apparatus can be obtained all of the following currents or modalities:

Vacuum electronic, static spark, induction, high frequency agency or effluvia, Oudin, Tesla and D'Arsonval current, Ultra-Violet rays (from A.C. outlet only) and the auto-condensation and auto-conduction currents sufficient for all ordinary treatments.

The range of the X-rays obtainable from this coil is truly remarkable; it being possible to radiograph any part of the body in a reasonably short time. Owing to the ability of control the X-ray may be used for treatment purposes as well. The coil weighs only 25 pounds, consequently it may be carried to the bedside if necessary and connected to the most convenient electric light socket.

The only parts subject to any wear whatsoever, are two contact points. These points generally last from eighteen months to two years' time and as a new contact costs only \$1.95, the cost of maintenance is hardly worth mention.

Simplicity, durability and a wide range of modalities are the cardinal points of this apparatus. All parts are artistically arranged and the finish is of the highest order.

Price, arranged for the auto-direct current, complete with all attachments, cords, set of electrodes and handle.....\$149.50

Price, arranged for alternating current, complete with above accessories.....130.00

Price, arranged for operation on both currents, complete with above accessories.....150.00

\$10.00 may be deducted from these prices for cash.

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



S-800



S-810

S-905

ACCESSORIES FOR PORTABLE COILS

S-800. The cabinet stand here shown has been especially designed for use with the portable coil. Provision is made to safely care for two X-ray tubes, fluoroscope, various electrodes, coils, etc.

The cabinet work is of selected quarter sawed oak, hand rubbed. The compartment for holding the electrodes has a leveled glass door, making it in all an outfit which harmonizes with the coil.

Price of cabinet stand \$30.00

PORTABLE ULTRA-VIOLET LAMP

S-805. This lamp has been designed so that it may be used with any high frequency apparatus. The electrodes are of iron and from the fact that a quartz lens is used a ray which is very rich in ultraviolet may be had. The intensity of the light may be controlled by turning a thumb screw projecting from the top. A small ruby window at the back permits observation of the size of the arc.

The lamp is tightly finished in nickel and the handle is made of eucalyptus. This lamp will be found very efficient in the treatment of local skin conditions.

In ordering please specify make of coil used.

Portable ultra-violet lamp \$30.00

INSTANT TUBE HOLDER

S-808. This holder has been designed for use in connection with Kline portable coils (No. 1 and No. 2). It is made entirely of wood thus preventing the sparking of the current to the holder. The joints are all beveled so as to give rigidity to the tube and any angle of adjustment can easily be made.

Price \$1.00

CARRYING CASE. (Not Illustrated)

S-802. This case is so arranged as to properly accommodate a 5 in. X-ray tube, a 50 fluoroscope and a portable tube holder. An adjustable brace holds over the tube and being supported by springs the tube is held in place without undue pressure. A compartment on the end is of proper shape for holding the fluoroscope, and clips hold the portable tube holder in position.

This case is well made and covered with a water proof imitation leather.

Price \$1.50

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



S-820



S-825

HIGH FREQUENCY APPARATUS

VICTOR NO. 1 X-RAY AND HIGH FREQUENCY COIL

S-820 This apparatus has been designed for use in the office of the physician who does occasional X-ray work, but who has frequent use for the high frequency and high potential currents in his work. It is built on the Tesla plan, thereby doing away with the inductive coil, rectifier, etc. The currents delivered are X-ray, Diathermy, high frequency for vacuum electrodes, anticondensation and ultra-violet light. These currents may all be had quickly and without re-adjusting of the wires.

A single switch on the front of the cabinet indicates the various modalities, and at the same time it is possible to confine oneself when the switch is used.

When operated on alternating current the upper wires are carried directly to the coil. When direct current only is available, a rotary converter is placed on the short lead. This converter changes the direct current to alternating.

The No. 1 high frequency cabinet will be found to fill a welcome place in the equipment of institutions, by dermatologists, acupuncturists, etc.

If interested please send for complete technical description.

Price including electrodes, holders, etc., for alternating current.....	145.00
Price of rotary converter and chemical for direct current.....	30.00

VICTOR NO. 2 HIGH FREQUENCY CUPPLY

S-825 This machine has been placed on the market to meet the demand of the physician who wishes to utilize the therapeutic values of the various high frequency currents to their fullest extent; but who either does not care to do any heavy radiographic work or is already equipped with the proper apparatus for that particular class of work.

The No. 2 outfit delivers the various high frequency modalities including an ultra-violet lamp current, and an anticondensation current sufficient for the most profound constitutional effects, this current being the best specific for the reduction of high blood pressure. X-rays are available for all treatment work as well as the light radiographs.

As will be seen in the illustration, the apparatus entirely self-contained, fully finished and while it does not occupy an amount of space disproportionate to its usefulness, it is nevertheless quite imposing in appearance.

The apparatus is designed to be operated from the alternating current and where only the direct current is available, all that is necessary is the addition of a rotary converter.

Price, complete with set of electrodes, attachments, coils, etc., arranged for alternating current.....	150.00
Hot wire meter, extra.....	20.00

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



S-830



S-835



S-830



S-850



HIGH FREQUENCY ATTACHMENTS

CUSHIONS FOR AUTO-CONDENSATION

S-830 These cushions are made of a heavy grade of padding and a diameter of six feet. They are made in two styles. The round seat cushion for use in connection with portable coils and the couch cushion for use in connection with heavier apparatus.

Price, round seat cushion \$10.00
 Price, couch cushion \$25.00

FULGURATION ELECTRODE

S-840 This electrode has been designed for the application of the high frequency spark, for destruction of various growths. It may be used in connection with any of the high frequency apparatus. Ordinarily it is furnished with two short points which are not illustrated. We also supply a long point for use through cystoscopes in the destruction of cysts within the bladder.

Price \$4.00
 Extra long point 1.00

HIGH FREQUENCY SPRAY ELECTRODE

S-845 This electrode delivers a spray current from each of the many points. The disc carrying the points may be adjusted to the proper distance to prevent heavy sparking to the patient.

Price \$1.00

TRADITIONAL ELECTRODE

S-850 For local treatment.

An inexpensive and valuable electrode for the local application of the Triangular current, in the treatment of rheumatic joints, etc.

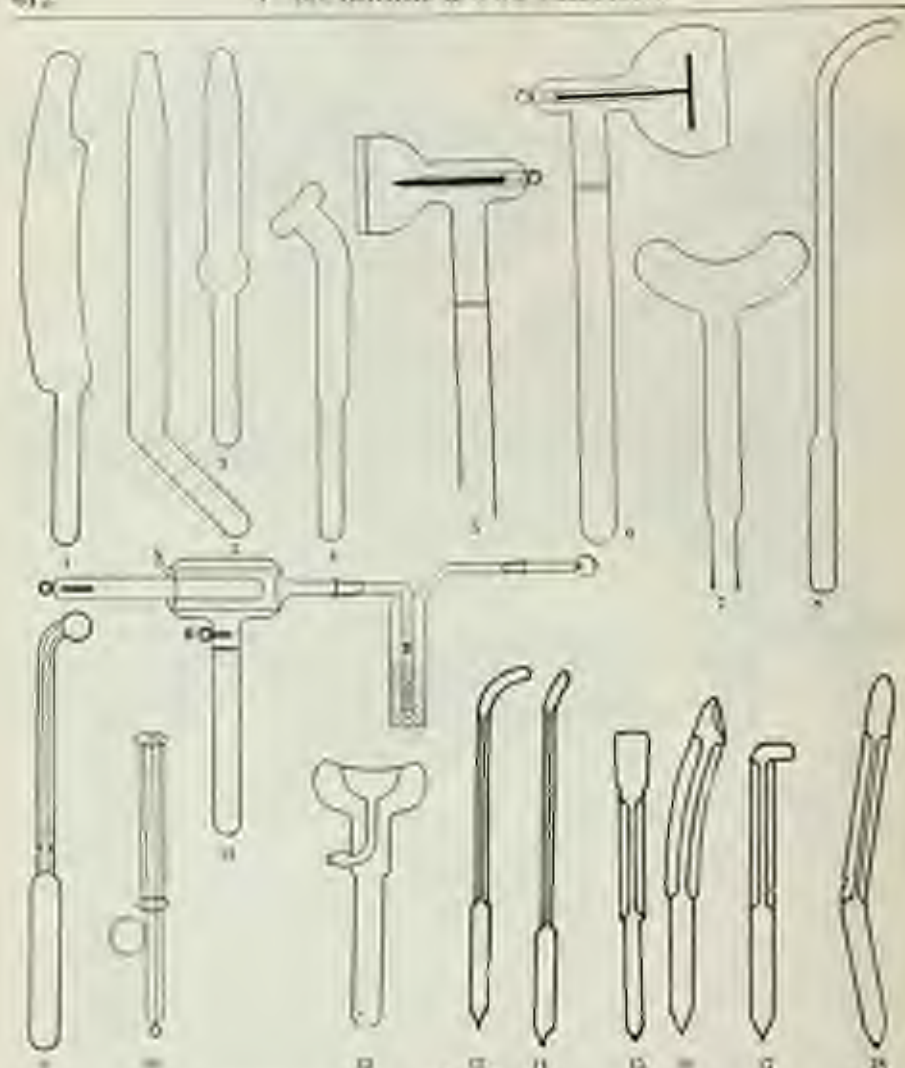
Price, as illustrated including 2 sheets of metal foil, holder and connections \$6.00

VACUUM ELECTRODE HOLDER

S-855 Adjustable 1.50

S-845

S-855



S-840

HIGH FREQUENCY VACUUM ELECTRODES

No. 1 radial plate, 31 7/8" diam. brad.....	\$1.00	No. 8 vertical electrode, No. 20 and No. 21 Fr. mark.....	\$1.00
No. 2 radial plate, 30 7/8" insulated.....	1.00	No. 9 anastomosing electrode, insulated.....	1.00
No. 3 radial plate, 29 1/2" insulated.....	1.00	No. 10 infarction electrode for drawing vascular tumor, wart, mole, etc.....	1.00
No. 4 eye single, 29 1/2" double bar (standard).....	1.00	No. 11 cone holder.....	1.00
No. 5 cathodic carbon electrode with insulating armature.....	1.00	No. 12 eye electrode, insulated.....	1.00
No. 6 large conical surface electrode, with armature.....	2.00	No. 13 breast electrode, insulated.....	1.00
No. 8A large surface conical electrode, without armature.....	1.00	No. 14 nasal electrode, insulated.....	1.00
No. 7 breast electrode.....	1.00	No. 15 tongue electrode, insulated.....	1.00
		No. 16 vaginal electrode, insulated.....	1.00
		No. 17 anal electrode, insulated.....	1.00
		No. 18 rectal electrode, insulated.....	1.00

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



S-365

WANTZ RADIOGRAPHIC COIL

8.66 This equipment differs from the prevailing types of induction coils, in the following respects:

- Size and construction of the core (no wire mesh).
- Proportion between and cross sectional area of wire used in primary and secondary windings.
- Insulation between primary and secondary windings.
- Design, arrangement and insulation of secondary windings.
- Improved type of interrupter.

The actual spark length of the Wantz coil is 12 inches, this potential being more than enough to take care of the heaviest X-ray tubes.

The Wantz coil is equipped with a variable inductance switch for cutting in selective layers of the primary winding. By means of this feature, any X-ray tube, regardless of its size, shape or vacuum, can be used, and the secondary voltage adjusted to the tube.

The interrupter is of the electrolytic type and is furnished with either one, three or five points, as desired, and will be found to be perfectly smooth in operation.

All switches for coil and interrupter are mounted on a switchboard at one end of the coil cabinet.

Coil arranged for 110 volt direct or alternating current including rheostat, switchboard, inductance switch, pole changing switch, on and off switch, three special coils provided with extra long insulated connecting cords, regulator controlling vacuum of tube, regulator for controlling electrolytic interrupter from convenient point near switchboard and cabinet table.

Single point interrupter.....	10.00
Three point interrupter.....	20.00
Five point interrupter.....	35.00
Ammeter.....	10.00
Miliammeter (scale direct).....	30.00
Rectifier, four jar, for use on alternating current.....	50.00

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



S-276

SCHEIDEL-WESTERN INTERRUPTERLESS RADIOGRAPHIC COIL

6179 The Interrupterless Coil or Transformer is a comparatively late development in radiographic apparatus. The principle upon which this coil is built differs from the ordinary apparatus in that no oscillators, electrolytic interrupters, etc., are used. Instead the primary winding of the coil is excited by means of a rotary converter with the result that a current which is perfectly unidirectional and of increased quantity, is delivered to the X-ray tube.

The controlboard is separately mounted on an independent frame and connected to the transformer by means of cables. The controlboard frame is backed with $\frac{1}{2}$ in. lead and is lined with a protection screen of $\frac{1}{4}$ in. lead.

We can recommend this coil to the operator as the most powerful and altogether satisfactory type of interrupterless coils placed on the market up to the present time.

Write us for full technical description and prices.

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



S-375

SCHEIDEL-WESTERN RADIOGRAPHIC SPECIAL

S-375. The Scheidel-Western Radiographic Special for X-ray and high frequency currents, as illustrated above, consists of a powerful X-ray coil especially adapted for quick radiographic work, combined with the transformer, delivering a great variety of high frequency currents. The arrangement of switches, measuring instruments, various regulating devices, etc., is such that the operator need not leave the switch board in order to make an adjustment, and by means of the milliammeter and ammeter the working conditions of the coil may be noted.

The button induction switch permits of a perfect balance between coil and tube being maintained during the exposure.

We recommend that this coil be equipped with the auto-transformer as described elsewhere, when used on alternating current.

24 in. Radiographic Special Coil	\$175 00
Table with phenolic and surface mounted on white marble	50 00
Mercury interrupter for treatment work	75 00
Three point electrolytic interrupter	80 00
Ammeter	25 00
Milliammeter	25 00
Rheostat mounted on top of coil	35 00
Button induction switch	25 00
Automatic cork robe	2 50

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



S-330



S-385

STATIC MACHINES-RESONATORS

THE AMESON TYPE A STATIC AND X-RAY MACHINE

S-330 This machine is the result of years of constant application to static machine construction, and is considered by those who have examined it, and who are using it to be the most up to date machine offered the profession. The case is made of selected mahogany sawed end throughout and occupies a floor space of 31x51 feet. Height of machine is 6 feet 4 inches. The top part of the case is removable, and the entire equipment can be passed through any ordinary door of 26 ins. or more in width. The machine has two front polished leaded glass windows. The doors are set so heavy felt making the interior dust and moisture proof. In addition to this are other advantages not possessed by machines of other makes as follows: Divided stationary plates, endorsed by the American Electric Trade Association; combination side chamber, not only useful in X-ray work, but can be used in connection with the insulated platform, where correct polarity is of great importance; fixed spark counter and grounding arm; notable controlling arms, enabling the operator to change his machine.

Size of revolving plates 32 inches.

Complete instructions accompany each machine. Price includes complete set of electrodes, universal tube stand platform, etc.

14 plate machine

\$200.00

24 plate machine

\$250.00

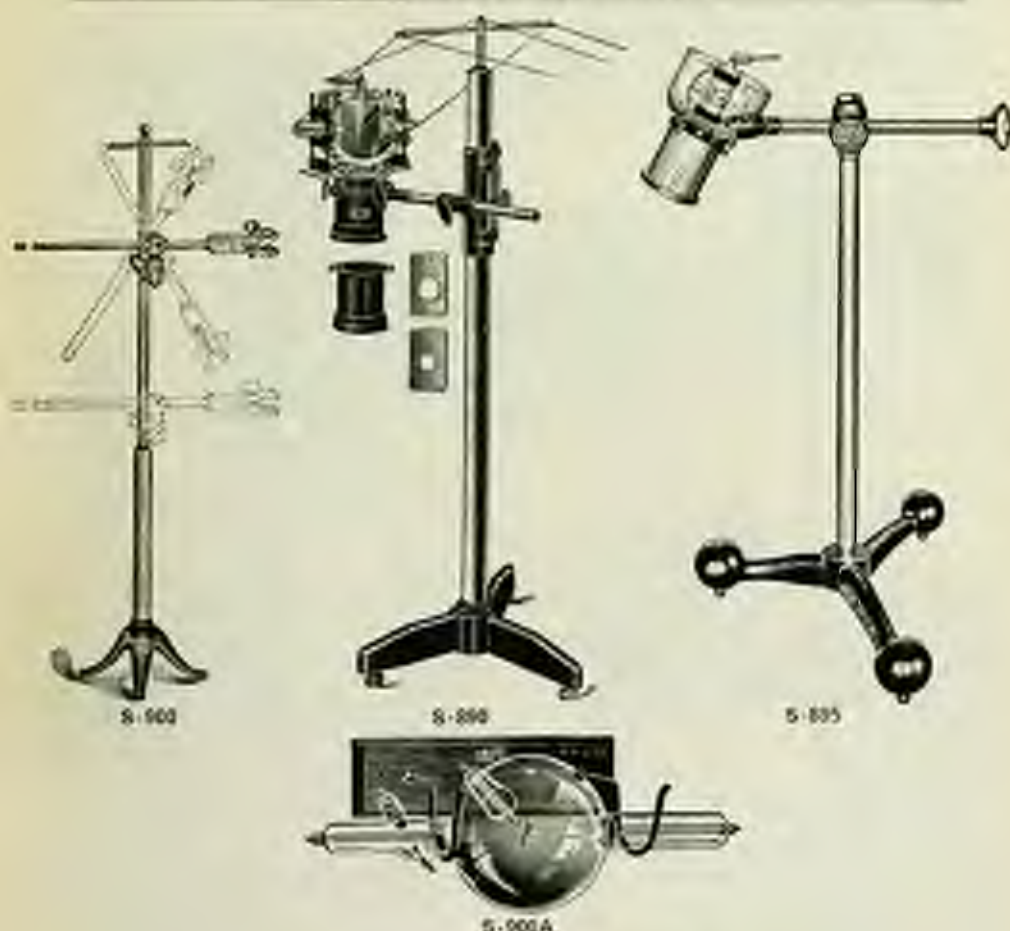
THE OUDIN TESLA HIGH FREQUENCY RESONATOR

S-385 This Resonator is designed to operate on any of the standard static machines for the purpose of a high frequency current with high potential effects 12 inches long. It is constructed on the Oudin Tesla principle combined. This current or effects can be as low as desired with a static machine brush discharge. The latter is placed in the bare skin and is comparatively easy to tolerate, while the high frequency effects, as given off by this new resonator will readily pass through any and all known insulators without any apparent loss in current strength. It is generated on casters and can be handled with ease around the office.

Price of outfit as shown with special cords for connection

\$35.00

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



TUBE STANDS AND RACKS

VICTOR PROTECTION TUBE STAND

S-500 This equipment is a modification of the Victor Compression Diaphragm and offers in simple form the protection features the same as the higher priced outfit, but has not the refinement of control. However, any angle of adjustment may be quickly had and in short, it is all that is to be desired in the way of an inexpensive combination tube stand and compression diaphragm.

Price \$2.00

SCHMIDT-WESTERN PROTECTION TUBE STAND

S-505 This stand is well constructed and has all of the adjustments generally required in an apparatus of this kind. The extension over the table is long enough for all purposes and the tube may be raised high enough to accommodate any case. Finished in nickel and Japan.

Price \$5.00

VIBR. STAND

M-500 This is a well made stand, with heavy metal base. All other parts are made of wood. Provision is made for both vertical and lateral adjustment.

Price \$5.00

S-505A Y. Master & Company's Radiographic tube rack. Rack 1.00

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



S-905



S-9050



S-910

COMPRESSION DIAPHRAGMS

VICTOR COMPRESSION DIAPHRAGM POSITIONING SHIELD AND STAND

NOTE Many improvements over preceding types of compression diaphragms have been worked out in this apparatus. The construction is such as to insure rigidity which is of first importance in radiographic work.

Provision is made for vertical, lateral and circular adjustment of the tube, a suitable scale being provided for accurate manipulation wherever necessary. This is especially true in fluoroscopic work as the collimations are plain and the shifting of the tube may be done without loss of time. The tube may be focused over or under the patient as required. The raising and lowering is easily accomplished by means of counter weights.

An adjustable shutter has been designed for treatment work, thus making it unnecessary to use lead to protect the surrounding area.

Price complete as illustrated, but without shutter..... \$100.00

Price of adjustable shutter..... 25.00

Illustrating shows some of the positions to be had from the Victor compression diaphragm.

THE "K-S" STEREOSCOPIC TUBE STAND

NOTE In this equipment the designer has included practically all adjustments which are necessary in radiographic work. Fluoroscope operation, X-ray treatment, etc. The device supporting the X-ray tube, lead glass bowl and cone, is carried on a support which may be easily raised and lowered from the fact that it is well counter balanced.

The shelf for holding X-ray plates is a great convenience in making radiographs of the arm, head, etc. This shelf may be removed and a fluoroscopic screen attached for examination. All attachments are quickly and easily made. The metal parts are of the best material, mostly nickel plated and japanned.

This tube stand will be found a great time saver in the adjustment of the X-ray tube. Complete as illustrated..... \$100.00

Send for special catalogue describing this equipment in detail.

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



S-915



S-920



S-920A

RADIOGRAPHIC TABLES

KIELEKEIT COMBINATION RADIOGRAPHIC TABLE AND AUTOMATIC PLATE CHANGING TUNNEL.

S-920 This is a substantially constructed table, having a top consisting of an improved form of plate changing tunnel for stereoscopic plates or single plates, as desired. The top may be placed at any angle, so that radiographs may be taken with the patient either standing or in a reclining position.

Price \$100.00

SCHWEDER WESTERN RADIOGRAPHIC TABLE AND COMPRESSION DIAPHRAGM.

S-920A This table is so designed that any amount of compression desired may be had without difficulty. The table is quickly adjusted to any desired position and by an arrangement of indicators it is always possible to quickly return the table to the proper position on the plate. All metal parts are finished in nickel and brass. Woodwork is of black mahogany finish.

Price \$100.00

OFFICE AND RADIOGRAPHIC TABLE

3000A While this table has been designed for all around office work, it is admirably adapted for radiographic purposes, being of rigid construction throughout. Made of plain oak and finished in waxed-oiled or golden glow.

Price, without upholstery, \$12.00; with pad and pillow, \$20.00



S-925



S-930



S-940



S-925



S-940A

RADIOGRAPHIC COIL ACCESSORIES

ELECTROLYTIC RECTIFIERS

S-925 Alternating current is not suitable for operating induction coils, x-ray magnets, and plates or for charging storage batteries, and where the alternating current only is available, some means must be provided for securing a direct or continuous current. Such is the function of the Victor electrolytic rectifier.

Victor rectifiers are neatly designed, fastidiously constructed, positively unobtainable, extremely durable and conveniently maintained. They are furnished in three styles, viz.: No. 1 for wall plates, No. 2 for x-ray magnets and No. 3 for induction coils.

Victor No. 1 rectifier with charging board.....	\$10.00
Victor No. 2 rectifier with charging board.....	\$20.00
Victor No. 3 rectifier low charging board.....	\$30.00

AUTO-TRANSFORMER FOR INDUCTION COILS

S-930 Many users of X-ray coils operating on alternating current have found difficulty in securing the proper amount of current for the secondary of an induction coil, for the reason that in drawing a comparatively heavy current there has been a very considerable drop in the voltage of the line current. When this cannot be overcome, due to the wiring, on the capacity of the transformer used outside of the building, the voltage may be raised by means of this auto-transformer. The increased efficiency thus obtained, is at once apparent, and in many cases will increase the current passing through the X-ray tube from 50 to 75 per cent. This transformer may be used in connection with any make of induction coil. Dimensions: 10x10x10 in.

Auto-transformer for 110 volt alternating current..... \$20.00

ALL METAL SELF WINDING TUBE TERMINAL

S-935 These terminals may be attached to any X-ray coil and prevent the buzzing of the cord. By pressing the button the tube may be wound within two eons.

For pair..... \$1.00

AUTOMATIC COILS REELS

S-940 These reels are made of heavy brass, lacquered, and is made of wood which is very durable, and covered with silk. They extend 8 ft.

For pair..... \$1.00

X-RAY CORDS

S-940A Heavily insulated. For pair..... \$1.00

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



S-955



S-960



S-965

MECHANICAL INTERRUPTERS

BUKORD INTERRUPTER

S-955 This is a new design of mechanical interrupter based upon scientific principles which have proven to yield the best results. It gives a number of interruptions nearly as high as the electrolytic interrupter, and always with perfect and uniform contact and interruption. The modification of the mercury is insignificant owing to the ventral pressure which keeps the mercury a coherent mass and separates it from impurities.

This interrupter is designed for treatment work, though will be found very satisfactory when using the Esmarch, due to the high rate of interruptions.

Bukord interrupter for 125 to 250 volt direct current..... \$11.00

ELECTROLYTIC INTERRUPTERS

ANTI-ACID INTERRUPTER

S-960 This interrupter has been designed for use in connection with induction coils, operating on the alternating current. It is built along the same lines as the acid electrolytic interrupter, and when a light current as for treatment is desired, the antiacid type will answer for both rectifier and interrupter.

Illustration shows the interior portion only, but it is furnished complete with porcelain jar.

Price..... \$21.00

VICTOR ELECTROLYTIC INTERRUPTER

S-965 Many radiographers have been hampered in their work because of the characteristic faults of the average interrupter, such as the porcelain tube being too small and not correctly designed, the amount of solution used not being collected and the absence of any indicator to show amount of solution in jar, and last but not least, the absence of proper means of absorbing the heat developed.

In designing the Victor interrupter these and other points have been taken care of as follows:

The size and shape of tube have been determined by actual experiment and are such that the gas bubbles are dislodged and escape easily and that very little solution is pumped through the tube, provision being made so that this small amount of solution is carried well away from the tube by means of a spoon-like feature eliminating the customary short circuits and explosive efforts generally prevalent in the average interrupter.

A greater amount of solution is used than is the case with other interrupters of similar capacity.

An automatic float is furnished with which the operator can, at any time, tell the exact height of solution.

Three styles are furnished, viz.: single, three or five point.

Price of single-point interrupter..... \$15.00

Price of three-point interrupter..... \$20.00

Price of five-point interrupter..... \$25.00

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



8-870



8-900



8-905

STEREOSCOPES AND NEGATIVE ILLUMINATORS

WHEATSTONE STEREOSCOPE

8-870. Relation of parts and relative position of foreign bodies has greatly simplified diagnosis by taking X-ray negatives stereoscopically and viewing them through the Wheatstone stereoscope illuminator.

Two plates previously exposed from two angles are placed, one in each illuminator and facing each other. These plates are focused in two reflecting mirrors, set at right angles midway of the plates. By adjusting the mirrors, the two plates merge into one, revealing a perfect perspective of the radiographed parts.

Each box is arranged with roller shades to exclude all light, not used for illuminating plates. The shades are adjusted to accommodate plates ranging from 5x7 to 24x32 in either direction. In addition to stereoscopy, the box can be used for an ordinary illuminating box for diagnosis of single plates. A rheostat or light dial is arranged to accommodate the intensity of the light to the density of the plates.

The work is facilitated in microscopy.

Price with connecting cord and plugs, ready to attach to any lamp socket, \$25.00

Illustrated box controlling light \$5.00

VICTOR NEGATIVE ILLUMINATOR

8-905. Facilities are provided for examining X-ray negatives ranging in size from 5x7 inches to 24x32 inches. An extra kit is furnished by means of which two 5x7 inch negatives can be stereoscopically studied with the Victor stereoscope 8-870. The intensity of the light is very nicely controlled by means of a rheostat switch on the lower right hand side of the cabinet. Finished in Finnish oak and is lined with asbestos.

Price, complete \$25.00

PAIR POCKET STEREOSCOPE

8-900. This stereoscope may be used for examination of radiographs of any size, either by placing the plates in a negative illuminator, or at some other point where the light is allowed to pass through them.

A double reflecting prism of best grade is used.

A coating of this stereoscope is the same with which stereoscopic vision is obtained.

All metal parts are of aluminum. Enamel in dull black, making it a light instrument to carry in the pocket.

Price in leather case \$25.00



PLATE CHANGERS AND HOLDERS

AUTOMATIC PLATE CHANGER

S-985. For stereoscopic radiographs, this plate changer can be used with any radiographic table or placed on a plate table. It is skillfully constructed throughout, neat in design, and easy to use in manipulation. There are no complicated parts, no envelopes are required in the carrier and same is absolutely light proof. Films can be loaded into this carrier in the dark room, and can be placed either way in the holder.

The carrier accommodates two plates of any size, ranging from 105 to 1015. The center section of the plate changer is covered by a sheet of aluminum, and the two end sections are covered by sheet metal. An accurate and exact center can always be determined by a line drawn across the aluminum plate in the middle section.

When one plate is in position under the subject to be photographed, the other is under the X-ray proof shield and is protected from all rays. Upon releasing a small catch on the side, the carrier is shifted by means of springs, and the second plate is brought into position automatically, for the second exposure without any further manipulation.

With the use of this improved plate changer, stereoscopic work, which is one of the most interesting parts of radiography, is made perfect, and experienced operators will thoroughly appreciate its value.

Price..... \$20.00

PLATE CHANGER

S-990. This plate changer consists of an iron frame over which is tightly stretched a thin sheet of aluminum which supports the part to be re-photographed and allows the plates to be inserted and removed without disturbing the patient. Two trays are furnished with each changer thereby making it possible to make stereoscopic plates when desired.

Price..... \$15.00

PLATE HOLDERS

S-995. These plate holders are made in two sizes with additional kits in each, so as to permit smaller standard sizes of X-ray plates to be used. The cover of the plate holder has the various slots cut out, conforming to the kits contained within. A layer of lead is placed at the bottom of each holder to overcome secondary radiation.

For plates up to 1015 in., or smaller..... \$6.00

For plates up to 1011 in., or smaller..... 9.00

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.

DR. SWEET'S EYE LOCALIZER

8-900 The localizer of ocular bodies within the eye and orbit by means of X-ray had offered a difficult problem before a practical eye localizer was perfected. The device, which has been mounted by V. Mueller, offers a thoroughly reliable method of localization. Complete instructions and the necessary charts are furnished with each localizer.

Price \$25.00



S-1000



S-1000

FOREIGN BODY LOCALIZER

8-906 This localizer is designed along the lines of the localizer first made according to the suggestion of McKillop Davidson of London, and which he termed his "Cross Thread Localizer." It has been improved by Dr. J. N. Scott, so that it can now be used either with a compression table or by the open method, the table being supported in the ordinary way, and tilted at any distance on either side of perpendicular. The instrument and plate holder base are made entirely of metal so as to be easily sterilized for use on the operating table. The two straight and curved rods attached to the horizontal bar are markers to enable the replacing of the subject in its original position on the base for operation.

Price \$25.00

In writing us concerning electrical apparatus, state whether current is direct or alternating; voltage and number of alternations.



S-1010

WEHNELT'S PENETROMETER

S-1010 This penetrometer allows the operator to accurately judge the penetration of each tube by shifting the wedge shaped strip of aluminum to the point where the rays pass through the aluminum. A strip of fluorescent screen is used inside of the box and calibrations showing the relative penetration quickly tell the working conditions of the tube for treatment work. The tube is examined and the amount of current increased or diminished as the case may be, until the fluorescence of the screen agrees at the desired position of the scale.

Price

\$14.00

"PRIMA" INTENSIFYING SCREENS

One of the greatest drawbacks in radiography is the enormous strain on the X-ray tube when using heavy currents for quick exposures. This strain has a tendency to disturb the vacuum in the tube so that the working conditions change to such an extent that failure often results. To overcome this difficulty the Prima intensifying screen has been made. The principle upon which the screen works is that it fluoresces, giving a blue light under action of the rays. The X-ray plate is particularly sensitive to blue, consequently a plate may be fully exposed in approximately 1/6 the time that would be required without the screen.

Heretofore the difficulty with screens has been that they left a mottled plate due to the granulations on the screen, also that screens would discolor for some time after exposure to the rays, resulting in a partially fogged plate and poor detail of the parts radiographed when the plate was developed. The "Prima" screen overcomes these difficulties and permits the production of plates which are absolutely free from granulation, and with heretofore unattained speed.

One of these screens will soon pay for itself in the saving of the X-ray tube.

We recommend that the screen be used mounted in a holder, and plates spotted are held upon supporting holder figure S-555. In this way the surface of the screen is better preserved, may be kept clean, and being mounted upon a hard base, there is no secondary radiation. Carefully handled these screens will last almost indefinitely.

S-555	Prima screen, size 10x10 without plate holder	\$17.50
S-555A	Prima screen, size 10x10 with plate holder	21.50
S-555B	Prima screen, size 10x12 without plate holder	21.50
S-555BA	Prima screen, size 10x12 with plate holder	25.50
S-555C	Prima screen, size 12x12 without plate holder	24.00
S-555CA	Prima screen, size 12x12 with plate holder	28.00
S-555D	Prima screen, size 14x17 without plate holder	34.00
S-555DA	Prima screen, size 14x17 with plate holder	38.00

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



S-1053

We are prepared to supply fluoroscope screens of various sizes but the ordinary fluoroscope is equipped with a 14" screen.

Fluoroscope with 14" screen..... \$12.00

LEAD GLASS SHIELD FOR FLUOROSCOPE

S-1054 We are prepared to supply lead glass of suitable size so that it may be easily attached to any fluoroscope. The X-rays are thus prevented from reaching the observer's eyes as the glass is placed behind the screen. This in no way obstructs the image on the screen, but offers great protection.

Lead glass for fluoroscope..... \$5.00

MOUNTED FLUOROSCOPIC SCREENS

S-1055 In examination of the chest, stomach, etc., many operators prefer to use a large screen mounted in a suitable frame in an absolutely dark room, rather than to use the box type. This method allows a proper comparison where frequently it would be impossible with a more limited field. The fluoroscope screen is mounted in a substantially constructed frame with lead covered lead over the handles.

Prices according to size.

FLOOR-STAND FLUOROSCOPE

S-1056 This fluoroscope is in all respects the same as Figure S-1053, with the exception that it is mounted in a substantially made floor stand and suspended with a counterweight. This allows the use of the operator's hands, which is sometimes desirable in manipulation. We are also prepared to supply this screen with rollers so that it may be suspended from something if desired.

Prices according to size.

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.



S-1055



S-1045

FLUOROSCOPES AND FLUOROSCOPIC SCREENS

S-1057 There is probably no part of an X-ray equipment which is more important or is fast so far as diagnostic work is concerned, so generally essential, as a good fluoroscope. Many now on the market are unsatisfactory for the reason that an excessive amount of platinum salt is used in their manufacture, and after improper use is taken to prevent deterioration and discoloration.

Our platinum barium cyanide screens are the best while it is possible for us to secure. The salt is protected as far as it is possible to do so from deterioration and a good quantity of platinum salt is used.

The image produced is sharp and intensely brilliant.



MEASURING INSTRUMENTS FOR X-RAY AND HIGH FREQUENCY

THE QUALIMETER

S1055 It has long been the desire of radiographers that an instrument would eventually be perfected so that the exact penetration of the X-ray may be known while exposure is being made. Milliamperemeters are of course used and are a great help, yet they register the quantity of current passing through the tube only. Penetrometers have their advantages, yet they are those when it is not altogether convenient to use the penetrometer, and without such a device it has been impossible to judge the actual penetration of the ray.

The qualimeter is an instrument which overcomes all of these difficulties and at once gives the operator an accurate reading from a scale without unduly exposing himself, as the instrument may be placed within a cabinet or mounted in the wall. It has the endorsement of such prominent radiologists as Heilmann (Vienna), Levy Dore (Berlin), Harsch (Hamburg), and Hulet (Grand Rapids).

No modern radiographic equipment should be considered complete without the Qualimeter.
Price \$2.00

WAXTE HOT WIRE MILLIAMPEREMETER

S1060 Accurate dosage in treatment with high frequency currents, particularly in auto-condensation, is being recognized as being just as essential as in galvanism. The hot wire meter is the only type with which high frequency currents can be measured. The Waxte meter represents the latest development in measuring instruments constructed and can be relied upon to give a true and accurate reading. The range is from 0 to 50 milliamperes, but special calibrations can be made to order.

It may be used in connection with any type of high frequency apparatus.
Price as shown \$3.00

PARSONS MILLIAMPEREMETER

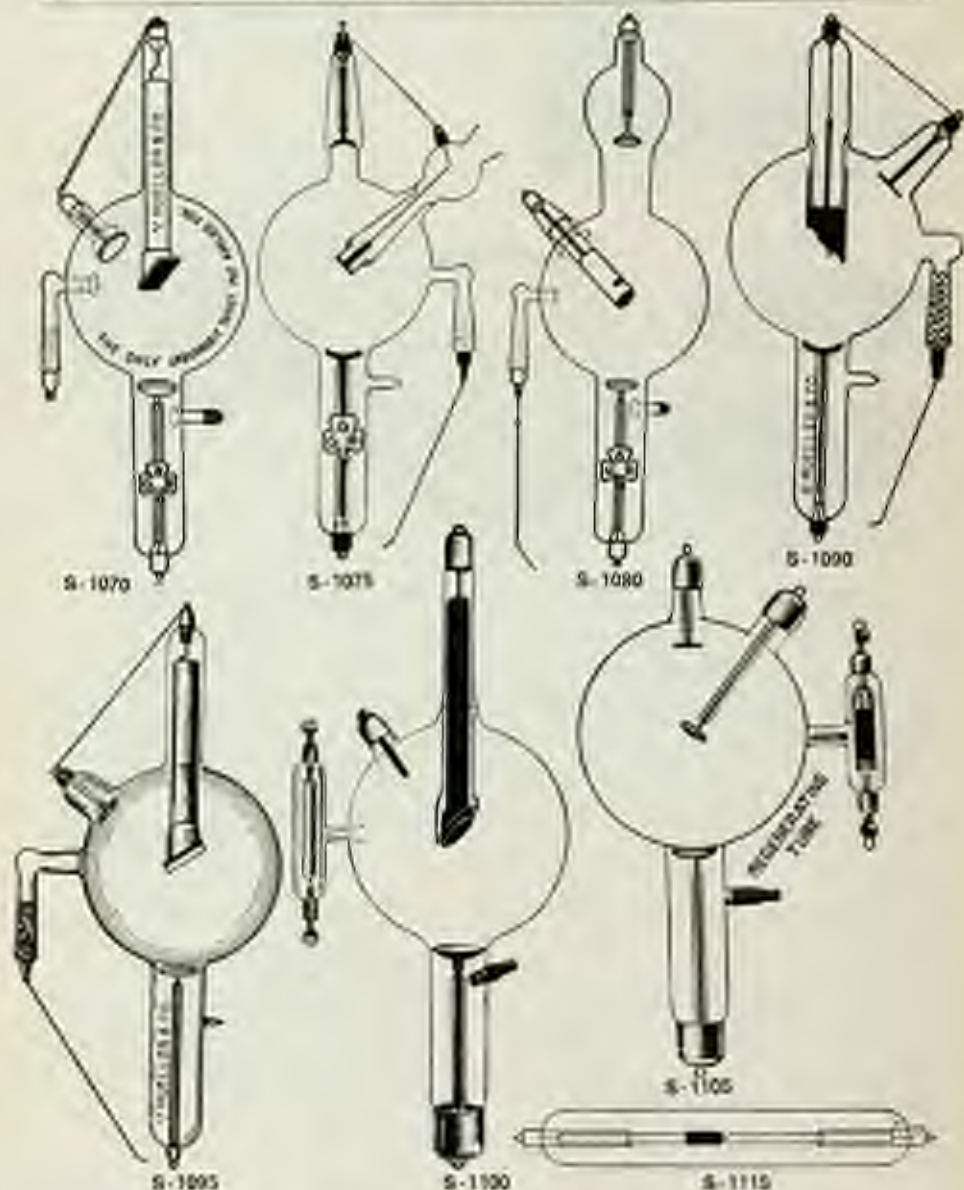
S1061 Designed for measuring the quantity of current passing through an X-ray tube when connected with induction coil or transformer.

The accuracy of the workmanship in construction of this instrument cannot be exceeded. Has a double scale reading from 0 to 1.0 or from 0 to 50 milliamperes, and a self contained protective condenser.

Price, for attaching to X-ray tube stand as illustrated \$12.50

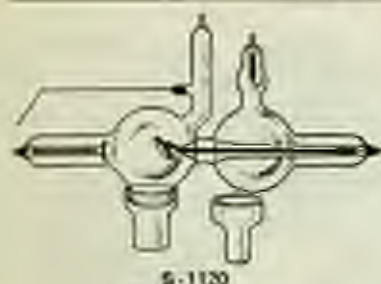
Price mounted on insulated bracket for fastening to wall or ceiling cabinet \$5.75

In writing us concerning electrical apparatus, state whether current is direct or alternating, voltage and number of alternations.

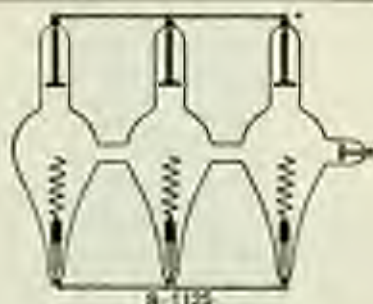


X-RAY TUBES

S-1070	Green & Boser Cover Leaf for Induction Coil or Transformer, 5 in.	\$20.00
S-1075	Green & Boser Cover Leaf, water proof, 4 in.	15.00
S-1080	Green & Boser Cover Leaf High Frequency, 5 in.	15.00
S-1090	Green & Boser Cover Leaf High Frequency, 5 in.	25.00
S-1095	Marshall-Wiggin for Induction Coil or Transformer, 5 in.	20.00
S-1100	Marshall-Wiggin for Induction Coil or Transformer, 5 in.	20.00
S-1105	Original Master for Static Machine, 5 in.	25.00
S-1110	Original Master for Static Machine, 5 in.	25.00
S-1115	Original Master for Static Machine, 5 in.	25.00
S-1115	Original Master for Static Machine, 5 in.	25.00



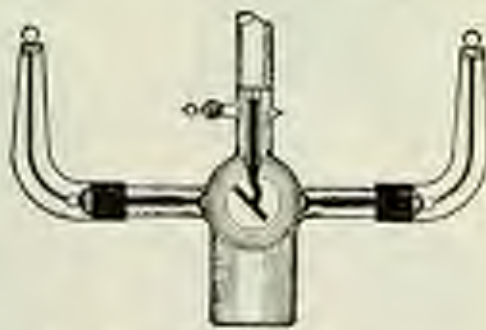
S-1120



S-1125



S-1135



S-1130

X-RAY TUBES AND ACCESSORIES

CALWELL TREATMENT TUBE

S-1120 This tube is made entirely of lead glass with the exception of the small window through which the rays for treatment pass, thus making it a tube which is entirely safe to the operator, limiting the rays to the exact part under treatment.

Price for static machine \$15.00
 Price for coil 15.00

VALVE TUBE

S-1130 It is a well known fact that with the presence of inverse current in the X-ray tube it is quite impossible to secure satisfactory negatives. This inverse current produces considerable heat, thereby distorting the vacuum of the tube. It also produces secondary rays which are detrimental to the life of the tube. When a valve tube is used in series with the X-ray tube, a current which is practically unidirectional, may be had from the induction coil, resulting in better definition, longer life to the tube and shorter exposures.

For coils of comparatively small output, the single valve may be used, but for heavier coils we recommend the triple valve.

Triple valve tube \$30.00
 Single valve tube 25.00
 Double clamp holder for attaching tube to any coil 2.00

COSELL TREATMENT TUBE

S-1125 This tube has been favorably known for some time through the excellent results in treating by the "across contact" method of Gieser.

The tube is made of lead glass with the exception of the window through which the rays for treatment pass.

Made for use with induction coil, static machine or high frequency coil.
 Price for coil \$30.00
 Price for static machine 2.00

TIMING CLOCK

S-1135 The clock illustrated was designed in such a way that the bell will automatically ring when sufficient treatment has been given. It may be adjusted for from one to 45 minutes. This is also an excellent device for use in the dark room, where the time factor method of developing is used.

Price \$15.00

NOTE—The tubes listed are those which have been found most popular with American Roentgenologists, and while there are many types which we do not list, we have facilities for making prompt delivery of any tubes which our customers may desire.

Each tube is carefully tested before it is shipped, also packed with the greatest possible care. When safe delivery is not assured, shipment is made only at purchaser's risk, otherwise if desired, we will insure safe delivery at 7% of the listed price.



S-1140



S-1145



S-1150



S-1155



S-1165

X-RAY PROTECTIVE DEVICES

X-RAY LEAD PROTECTION SCREEN

S-1140 By means of this screen the operator is completely protected from the harmful effects of the X-ray, yet is able to observe the action of the tube. The body of the screen is made of sheet lead covered with paraffine, and provides lead glass window for observation is contained in the upper portion. The frame is constructed of quarter round oak, highly polished and mounted on cast running casters. Dimensions 5 feet 3 inches high, 21 inches wide.

Price as shown.....

\$30.00

PROTECTIVE TUBE SHIELD

S-1145 This shield is made of soft rubber which has been treated with a material which effectively absorbs all X-rays unless an extremely high tube is used. We recommend this shield especially for use of portable coils. Made for 5 and 8 inch tubes.

Price with 2 diaphragms as illustrated.....

\$1.50

S-1150 Lead Glass Spectacles. These spectacles contain genuine lead glass sufficiently heavy so that the X-rays cannot penetrate.

Price.....

\$1.50

S-1155 X-Ray Gloves. Form a very effective protection and should be used in all cases where the hands of the operator are exposed such as in use of the fluoroscope. They are as thick and heavy as may be possible, yet flexible so that the operator may use his hands without difficulty.

Price.....

\$5.00

S-1165 Heavy Rubber Apron. Made of the same material as the gloves.....

\$10.00

S-1165 Lead Glass Shield. Made of genuine lead glass, ground and highly polished, thus giving the operator protection and still allowing him to observe the appearance of the X-ray tube. The lead is of the same variety as used in connection with the various compression diaphragms and tube shields shown elsewhere.

Price each.....

\$12.00

Lead Glass. We can supply genuine imported lead glass in various sizes for use in cabinets and other devices.

Per square inch.....

\$5.00

X-Ray Foil. For protection of parts not intended to be treated with X-rays. Width 15 in., approximately 2 lbs. is the lb.

Price per lb.....

\$8.25



S-1120



S-1220



S-1225



S-1230



S-1235

X-RAY PLATES, (LUMIERE, IMPERIAL OR CRANER)

Unless otherwise ordered plates are furnished with a pair of envelopes for each plate. If plates are ordered without envelopes, furnish two sets of envelopes without charge.

S-1230	Size 5x7, with one set of envelopes, per dozen	\$1.10
S-1230A	Size 5x7, with 12 sets of envelopes, per dozen	1.35
S-1235	Size 5x6 1/2, with one set of envelopes, per dozen	1.10
S-1235A	Size 5x6 1/2, with 12 sets of envelopes, per dozen	1.35
S-1236	Size 8x9, with one set of envelopes, per dozen	1.40
S-1236A	Size 8x9, with 12 sets of envelopes, per dozen	1.65
S-1237	Size 10x12, with one set of envelopes, per dozen	1.40
S-1237A	Size 10x12, with 12 sets of envelopes, per dozen	1.65

S-1238	Size 11x14, with one set of envelopes, per dozen	1.40
S-1238A	Size 11x14, with 12 sets of envelopes, per dozen	1.65
S-1239	Size 12x17, with one set of envelopes, per dozen	1.40
S-1239A	Size 12x17, with 12 sets of envelopes, per dozen	1.65

FILMS FOR RADIOGRAPHY OF THE TEETH

S-1245 Three are rolled, film 1/16 in. and come in small envelopes of black paper ready to use in the mouth. The envelopes, while not waterproof, may be held in the mouth for some time without injury to the condition.

Dental films per 1/2 gross, set	\$1.75
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PLATE MARKER

S-1250 Three wheels of lead are rotated past three openings in the brass sheet, each wheel contains numbers 1 to 3, thus registering to X-ray. The name is cut in the heavy brass and identifies the laboratory in which the radiograph is made.

Steel plate marker, 20 letters in name	\$1.10
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LEAD LETTERS AND FIGURES

These lead letters are the size illustrated and may be mounted on a suitable base.

S-1255 Lead letters and figures, Price each	\$9.00
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X-RAY CATHETER

S-1256 For showing location and shape of uterus. Absolutely opaque to X-rays	\$1.00
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LEAD LINED BOX

S-1255 For the preserving of X-ray plates. Is such a convenience that few operators feel that they can afford to be without one. This box is very strongly made of oak, well lined with sheet lead.

Price	\$14.00
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S-1244



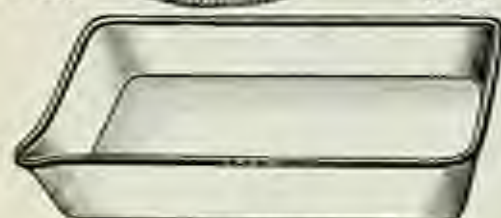
S-1245



S-1256



S-1260



S-1255



S-1279

DARK ROOM ACCESSORIES

BLACK RUBBER APRON
S-1244 With straps (A and B)..... \$1.25
S-1245..... 25

PLATE WASHER
S-1256 Heavily made of galvanized iron, allows thorough washing of the plates and occupies but little space..... 25

S-1260..... 4.00

S-1279..... 25

S-1280..... 2.50

S-1281..... 4.00

S-1282..... 1.25

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S-1275



S-1290



S-1285



S-1260

DARK ROOM ACCESSORIES—Continued

REHY DEVELOPING LAMP

S-1275 Strongly made of quartered oak, perfectly safe in the dark room..... \$5.00

S-1275A This lamp is the same as No. S-1275 except that it has an eye shade which is an aid to vision without increasing the light's intensity..... \$6.00

S-1290 This lamp is well constructed, being made entirely of metal with copper-welded joints. The lamp is fitted with three glasses and illumination is supplied by an S. C. P. incandescent lamp.

Price complete with plug and cord..... \$2.60

NEGATIVE RACK

S-1285 This rack has capacity for 12 negatives, and any size can be accommodated from 111 to 517. It is rigidly constructed and contains a trough for catching the drippings. Price..... \$2.00

DEVELOPING TITRATOR

S-1290 This titrator for the automatic rocking of the developing tray fits a long bell jar when a considerable amount of developing is done. We supply a light proof tray holder for each plate with each instrument. Price..... \$20.00

PHOTOGRAPHIC CHEMICALS

X.O. The new developer for X-ray plates.

X.O. developer combines the good qualities of strong and summary developers, and brings out structure with striking distinctness. This is an easily used developer which can be quickly prepared.

X.O. extra, per case 16 bottles.....	\$9.75
X.O. developer, per case six bottles.....	3.00
Edlach, per oz. \$2.50; per 1/2 lb.....	2.50
Kilomergens, per oz., \$3.25; per 1/2 lb.....	1.50
Hydroquinone, per oz., \$3.25; per 1/2 lb. \$1.00; per lb.....	1.50
Hypo-sulphite of soda, (Hypo), per lb.....	.85
Metol, per oz., \$1.25; per 1/2 lb.....	1.75
Potassium bromide, per oz., \$1.50; per 1/2 lb.....	.50
Potassium carbonate U. P., per lb.....	.25
Sodium bicarbonate, per lb.....	.15
Sodium bisulphate, per lb.....	.30
Sodium sulphate, per lb.....	.30

Other photographic chemicals at regular market prices.

JOURNALS

Archives of the Roentgen Ray. London, England. A monthly journal devoted to physical therapeutics and particularly to the Roentgen ray. This is the recognized English periodical on this subject.

Subscription per year..... \$1.50

The Journal of Advanced Therapeutics. Official organ of the American Electro-Therapeutic Association, edited by Dr. W. B. Snow, New York. Monthly.

Per year..... \$2.00

Physiologic Therapeutics. Devoted to electro therapeutics and hydrotherapy. Dr. H. M. Harwood, Chicago, editor. Quarterly.

Per year..... \$2.00

BOOKS AND ATLASES

X-Ray and High Frequency Currents in Medicine, by Dr. Gordon G. Dunick, Chicago..... \$3.75

Practical X-Ray Therapy, by Dr. Noble M. Eberhart..... 2.50

A Working Manual of High Frequency Current, by Dr. Noble M. Eberhart..... 2.50

High Potential and High Frequency Currents, by Dr. Wm. B. Snow, New York..... 2.50

Medical Electricity and Roentgen Rays, by Dr. Sinclair Tamm, New York..... 7.00

Radiographic Atlas of the Maxillo Region and of the Small Accessory Sinuses, by Dr. Joseph C. Doy, Chicago..... 4.00

This atlas contains a series of 25 full size actual photographs (one half times) of the various conditions, normal and pathological, to be found in the maxillo region and accessory sinuses; each photographic plate is explained by exact, full size tracings, with all landmarks carefully indicated.

The interpretation of radiograms is represented; the choice of X-ray tubes, time of exposure, position of subject, development of plates, selection of apparatus and all the details of radiography, include necessary to enable the investigator to conduct his own practical investigations, are considered.

Radiographic Atlas of the Pathologic Changes of Bones and Joints, by Amédée Granger, New Orleans. Contains 15 plates with interpretation of each plate..... \$5.00

Electro Therapeutic Practice, Prof. C. S. Niswanger, Chicago..... 1.50

Mechanical Vibration Therapy, Dr. W. B. Snow..... 2.50

High Frequency Currents, Dr. Edwin Cook..... 2.50

Practical Hand Book of Medical Electricity, Dr. Herbert McEwen, Boston..... 1.00

Dr. R. E. Austin's Stereoscopic Atlas. Containing forty sets of radiographs and stereo..... 50.00

Section "T"

Office and Hospital Furniture

Sterilizing Apparatus

Invalid Beds, Etc.



T-1

THE WHITE LINE SPECIALIST'S CHAIR

This chair was designed especially for the specialist in eye, ear, nose and throat work, but will also be found very convenient for the general practitioner for the same class of work. We have endeavored to, and believe we have produced a chair that will meet the demands of this class of work in the most satisfactory manner.

The round chair seat is revolving, and is adjustable in height from 18 to 25 inches. The back is shaped to give the greatest comfort to the patient, is adjustable in any angle by means of a telescoping rod and tube; the rod locked to receive the hinged leg in positive lock; operated by foot pedals from either side of the chair; supports on either side of the chair can be raised or lowered by means of set screws.

is still the work of the patient, or removed entirely when necessary in operative work. The head rest gives the greatest range of adjustability in height, in angle front or back, and in the tilt of the head rest proper up or down, and is locked and controlled by a single set screw.

The frame and body of chair are made of wrought iron, finished in three styles as given below, and mounted on heavy rubber tips or sliding casters as selected.

- | | |
|--|---------|
| T-1 White Line Specialist's chair; A, finished in white enamel, with nickel plated seat and trimmings..... | \$25.00 |
| T-1 B, finished in white enamel with oxidized copper seat and trimmings..... | \$27.00 |
| T-1 C, finished throughout in oxidized copper..... | \$28.00 |

Do not mistake catalogue.—Specify section letter and number in ordering.



T-5

V. MUELLER & CO.'S SPECIALIST CHAIR

Patent's chair for eye, ear, nose and throat work, designed to meet the demand for a simple chair of an inexpensive pattern. The back is adjustable by means of foot pedals, one at each side, which make a most convenient method of adjustment. The seat is reclining so that the patient can turn without moving the chair, and is adjustable in height, so as to suit any size patient. It has a rod around it for the patient to grasp hold of, doing away with the necessity of arm rests which are generally in the way. The head rest is simple and easily adjusted in any position with one set screw. The chair is made entirely of metal, is sterile, and practically indestructible. The seat, pedals, and head rests are nickel plated or oxidized copper. The seat is spun sheet metal. The frame of the chair is finished in white enamel, but can be furnished with painted enamel finish. In ordering specify the kind of finish and trimmings wanted.

T-5 Price \$25.00

We can furnish the chair with arm rests if desired. This style is known as style T-5A.

T-5A Price \$28.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-12



T-15



T-25



T-20



T-30



T-35

PATIENTS' CHAIRS AND HEAD RESTS

T-12 Specialist's chair, Allison. Wood seat and back, of cherry or quartered oak. Fully padded.....	\$21.00
T-12A Specialist's chair, Allison. seat and back upholstered in genuine leather.....	50.00
T-15 Specialist's chair, Clappett's, with arm rest.....	13.00
T-25 Specialist's chair, Clappett's, without arm rest.....	12.00
T-20 Specialist's chair, Fyfe's.....	7.50
T-30 Patient's chair, No. 55. Backs finished in oak or cherry, extra strong pedestal.....	5.15
T-35 Patient's chair, regular. Backed in oak.....	4.75
T-35 Head rest, nickel plated, can be attached to any chair.....	2.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-40



T-45



T-50



T-50A



T-55

OPERATING STOOLS

- T-40 Operating stool, made of steel tubing with heavy spun metal seat. The seat is adjustable from 15 to 24 inches and is nickel plated. These stools are furnished either white enamel with nickel trimming, imitation oak with nickel or oil-stained ironing. \$25.00
- T-45 Operating stool, construction same as T-40 but without the waste receptacle. 5.00
- T-50 Operating stool, with polished wood seat in mahogany or oak finish. Substantial pedestal casted. 2.50
- T-50A Operating stool, wood seat, finished in oak, pedestal casted. 3.50
- T-55 Operating stool, frame of round cold rolled steel reinforced with malleable steel fittings. Top of stand, steel, finished in white enamel. 5.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-60

T-65

T-70

T-75



T-80



T-90

SURGEONS' STOOLS AND CHAIRS

- T-60 Operating stool, with three legs, adjustable from 22 to 25 inches \$1.00
 T-65 Operating stool, with three legs, adjustable from 22 to 25 inches 1.50
 T-70 Operating stool, with four legs, adjustable from 22 to 25 inches 2.00



T-85

- T-80 Operating stool, with four legs, adjustable from 22 to 25 inches 2.00
 These stools are made of wrought steel, white enameled. Can be furnished with four portable swivel seats at \$1.00 additional.
 T-85 Operating room chair, made of steel throughout, white enameled, two arms, \$2.50 and 3.00
 T-86 Operating room chair, made of steel throughout, white enameled 2.00
 T-87 Chair, as above with arm rest 3.00
 T-90 Foot stool for use in operating room, made of wrought iron and steel, enameled rubber top, finished in white enamel 1.00



T-95

"MULLER IN PARVO" SPECIALIST'S CABINET

The "muller in parvo" cabinet is a most beautiful and practical design of a combined treatment and instrument cabinet.

The body of this cabinet is made of pressed steel reinforced on its inner surface to give it great strength and rigidity. All corners are rounded.

The ten steel frictionless drawers are of improved construction, arranged symmetrically six on each side of the instrument cabinet. These drawers are 7 inches wide, 14 inches long, and of the following depth respectively: 1 inch, $1\frac{1}{2}$ inches, 1 inch, $2\frac{1}{2}$ inches and 4 inches.

The lower drawer on the right hand side is fitted with a copper nickel plated container for sterile cotton, and a copper nickel plated receptacle for waste plasters.

The central instrument cabinet has two shelves of polished plate-glass, double door fitting doors of beveled plate glass with French lock and key; dimensions 18 inches wide, 15 inches high and 14 inches deep.

A heavy polished plate glass slide eight inches with corners rounded and polished, resting on rubber tips and held securely in place, forms the top of the "muller in parvo" cabinet.

The bottle rack resting on the polished plate glass top is of copper nickel plated and holds twelve spray tubes and twelve (two-ounce salt mouth, glass stoppered bottles. The glass stoppered bottles (crystal, blue and amber) are supplied with the cabinet, but not the sprays.

The mirror on this cabinet is of the finest beveled French plate, is rounded and mounted in a half steel white enameled steel frame.

The "muller in parvo" cabinet is 22 inches high, 36 inches wide and 15 inches deep, and is mounted on four moving rubber rollers. The cabinet is finished in the highest grade of enamel, hand rubbed and baked. We supply them in the following finishes: White enamel, mahogany, golden oak and weathered oak. When ordering please state the style of finish desired.

T-95 Muller in parvo specialist's cabinet without work bracket.....\$20 00

For description and price of work bracket and accessories see page 641.

Do not mutilate catalogue.—Specify section letter and number in ordering.

"THE WHITE LINE" "MULUM IN PARVO" SWINGING WORK BRACKET

The bracket consists of nickel plated steel upright screwed into two nickel plated brass base fittings, which are fastened to the side of the cabinet with nickel plated screws and nuts. The swinging hinge brackets are made of brass nickel plated and adjustable up or down by means of collar and set screws, and can be swung in full half circle radius. The sterilizer is our T-111A made up especially for this class of work, with electric heating unit. The spray take heater is of the well known DeLille pattern, made of brass and nickel plated. The working tray is a piece of polished plate glass 1 mm. x 15 in. x 5 1/2 in., set in a brass nickel plated frame.

T-111A The "Mulum in Parvo" cabinet with swinging work bracket.....	\$95.00
"Mulum in Parvo" swinging work bracket, with accessories.....	27.00



T-100

"WHITE LINE" "MULUM IN PARVO" CABINET

(With specialist's chair and specialist's stool)

A complete X-ray photo equipment for the specialist's office: "Mulum in Parvo" combined treatment and instrument cabinet.

"White Line" specialist's chair.

"White Line" specialist's stool.

Simple, convenient, practical, time saving and most attractive in appearance.

T-100 "Mulum in Parvo" cabinet, "White Line" specialist's chair T-1, and "White Line" specialist's stool, T-2.....	\$175.00
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T-105

V. MUELLER & CO.'S SPECIALIST'S CABINET

This is a most handsome, practical and complete cabinet for eye, ear, nose and throat work. It is made entirely of metal with white enamel or imitation oak finish. It has ten drawers of varying depths, and a glass-encased compartment with two polished plate glass shelves. It has a heavy polished plate glass top, and a handsome mirror at the back. The cabinet can be furnished either with or without the mirror. It has a nickel plated rack for bottles and spray tubes. It is made of such convenient height that anything it contains can be reached most conveniently. It is far superior to the old-fashioned wooden cabinets, as it can be washed and kept thoroughly clean and free from odors and contamination. One dozen test assorted bottles furnished with each cabinet.

Dimensions: 36 inches wide, 24 inches deep, and 22 inches high. Size of mirror 24x32 inches.

Cabinet T-105, same as above, without mirror.....

\$50 00

Cabinet T-105, same as above, with mirror.....

\$55 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-112

V. MUELLER & CO.'S SPECIALIST'S OUTFIT

A handsome and complete outfit at a very reasonable price. The articles are all made of metal with white enamel finish. The cabinet has six drawers, and a glass-fronted compartment with one polished glass glass sheet. It has a heavy polished plate glass top, and a nickel plated rack for bottles and spray tubes. It has a mirror at the back, but can be furnished without mirror if desired. The drawers have solid painted fronts, with polished glass knobs. Dimensions, 36 inches wide, 18 inches deep, 32 inches high.

The patient's chair has an adjustable back, head-rest, and seat, and is most complete for work in this line.

The stool has a waste receptacle underneath, which is most convenient, and goes away with having an tastefully waste basket or box for this purpose. We also make the stool without receptacle.

We call attention to our chair and stool sets which are made of spun sheet metal. These sets are far superior to the iron or wood sets. They are very comfortable, and have a nickel plated finish. We can also furnish them with an oxidized copper finish if desired.

Full price of this outfit, complete	\$10.00
Cabinet, same as above, without mirror	30.00
Cabinet, same as above, with mirror	35.00
Chair, T-5	25.00
Stool, T-40	5.00
Stool, without receptacle, T-45	5.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-120



T-125

SPECIALISTS' CABINETS



T-115

These cabinets are designed to fit the requirements of the eye, ear, nose and throat specialist. They are constructed only of the most carefully selected materials. The wood is quarter sawed oak, finished uniformly in Old English, golden or weathered oak. Special finishes in mahogany, golden or weathered oak. Special finishes in mahogany. Interior of all drawers, instrument section and clean linen compartment finished in hard white enamel. Compartments for bottles clean and polished brass. These cabinets are practically indispensable for the busy specialist.

- T-115 Polished wood top, best mirror back and set of bottles \$45.50
 T-120 Polished wood top, lower section D. & E. glass doors, sides and shelf, with set of bottles \$55.50
 T-125 Polished wood top, lower section D. & E. glass doors, sides and shelves, with set of bottles \$65.50
 Plate top for lower section 5.00
 Plate mirror top for lower section 7.50
 Plate glass shelves instead of D. & E. shelves, on No. 120 2.50
 Plate glass shelves instead of D. & E. shelves, on No. 125 2.50
 Swinging spray heater, with attachment for electricity or alcohol \$1.00

Do not hesitate catalogue.—Specify section letter and number in ordering.



T-130 The Merz long office and clinic treatment table with white glass top and shelf having six large glass-fronted drawers with white beveled glass fronts. The top is supplied with an oxidized brass rail with an assortment of 25 blue, amber and crystal bottles and it is also equipped with a series of clips for spray tubes or bottles on each side as shown. Height 34 in., depth 18 in., length 48 in. Price \$115 00



T-135 The Williamson long office and clinic treatment table and instrument cabinet combined. The same in dimensions as T-130 with the addition of the cabinet Price \$135 00
Do not hesitate catalogue.—Specify section letter and number in ordering.



V. MUELLER & CO.

T-140

SPECIALIST'S TREATMENT STANDS

T-134 This stand is a handsome and high-grade article. It is made entirely of metal with white enamel finish. It has six drawers which are mounted inside, and have oval glass fronts with polished glass knobs. It has a polished plate glass top with polished edges and also a polished plate glass shelf below. It has a nickel plated rack for bottles and spray tubes. There is included with this stand one-half dozen salt mouth bottles, and one-half dozen reaction bottles. The stand has casters it is thoroughly clean and easily kept clean. The dimensions are 18 inches deep; 36 inches wide; 32 inches high.

T-140 Price, without shelf \$25.00

T-140A Price, with shelf 40.00

This stand can also be finished in imitation golden oak.

THE ALLISON INSTRUMENT STAND

The regular finishes are all English, Golden or weathered oak, but special shades, including the dark finishes, imitation mahogany and white enamel can be supplied without extra charge. Special finishes and white enamel require more time for delivery. Canadian shipments \$1.00 additional. Top, bottom and shelf are plate glass.

Dimensions, T-145, 36x24 inches

T-150, 36x30 inches

T-145 D. & S. doors and sides \$30.00

T-145A Reversed plate glass doors and sides 35.00

The above treatment stand equipped with fender and metal bottle loops, extra 12.50



T-145

THE ALLISON INSTRUMENT STAND

This stand differs from stand No. 1 in that it has 4 drawers in the lower compartment.

T-150 D. & S. doors and sides \$30.00

T-150A Reversed plate glass doors and sides 35.00

The above treatment stand equipped with fender and metal bottle loops, extra 12.50

White opaline glass furnished in bottom of instrument compartment.



T-150

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-160

TREATMENT TABLES

This table, "The Washington" treatment table will prove of practical value and great convenience to the nose and throat specialist. It is of graceful design and is strongly constructed. The cabinet of sheet metal drawers is easy of access. The top is of heavy polished plate glass 18 1/2 inches; the nickel plated guard rail is furnished with spring clips for holding twelve ground stoppered salt mouth bottles, and twelve spray tubes. The frame is of wrought iron tubing, finished in white enamel, and mounted on rubber tips.

T-155 The "Washington" treatment table, complete with 6 crystal, 2 amber, and 2 blue salt mouth, ground stoppered bottles \$22.00

This, V. Mueller & Co.'s office and treatment table, is a convenient table for the general practitioner. The top is of iron coated with snow white porcelain enamel; the shelf of polished plate glass; the frame of wrought iron tubing finished in white enamel and mounted on lignum vitae casters. The nickel plated guard rail is furnished with spring clips for holding spray bottles.

T-161 Office treatment table \$22.00



T-155

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-165



T-165A

FOUNTAIN SPITTOONS

T-162 Fountain sputum, Clark's, for nose and throat apparatus. This sputum is very simple and easily taken care of. There is little working in glass, and on account of its careful construction it is giving entire satisfaction to the nose and throat specialist. We can furnish this sputum either with floor stand or wall bracket complete with tubing and connection.

Finished in white enamel, extra.....\$3.00

When ordering please specify whether floor, blue, amber or ruby bowl is wanted.

T-163A Clark's college sputum is similar in every way to the Clark nose and throat sputum with the exception that it has no saliva ejector attachment. Complete with either stand or wall bracket.....\$2.00

Finished in white enamel, extra.....\$1.00

T-170 Fountain sputum, Weber's, has an overflow through the side of the bowl just like a wash stand and is absolutely self-cleaning in operation. The water does not whirl around in the bowl. The water does not whirl around in sight of the patient. They are carried straight down to the outlet as matter where they enter the bowl. Complete with either stand or wall bracket.....\$4.00



T-170



T-180



T-185

CUSPIDORS AND STANDS

The fountain cuspidor De Luxe. Made of genuine solid, white, enamel china. No fixture or model is shown with the exception of the stop-cock at back, no rubber tubing, floor plate or any other fixtures are in sight, as the connection is made under the base, through the floor. Shows water. Height from floor to top over all 25 inches; outside diameter of the bowl 10 1/2 inches; diameter of the base 12 1/2 inches. This cuspidor has a trap same as the old style, allowing overflow of water and in addition has an excess overflow at the top of the bowl preventing all possibility of the bowl overflowing.

T-181 Price \$25.00

T-181A Same as above with the addition of a supply cock for drawing drinking water..... 50.00

CUSPIDOR HOLDER

Made of metal with enameled copper finish, and is thoroughly aseptic. No bad corners where dirt can accumulate, and easily cleaned. The stand and cuspidor can be finished with white enamel finish if desired.

T-182 Stand and cuspidor..... \$4.00

T-182A Stand only 2.00

T-182B Cuspidor only 2.00

CUSPIDOR HOLDER

Made of light steel, 21 inches high, beautifully copper plated.

T-183 Price \$12.00

T-183A Ornamental glass cuspidor, as illustrated six two pieces, ruber, blue or green..... 1.00

T-183B Metal enameled copper cuspidor..... 1.00

T-183C Two-piece aseptic white enamel cuspidor..... 1.00



T-175

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-190

EXAMINING AND OPERATING CHAIRS

CROWN SURGICAL CHAIR

This chair is built throughout of the best materials obtainable, the mechanical construction and finish are of the highest grade, and the product is a chair capable of serving the physician or surgeon in his office practice. Illustration here shows the chair in normal position. All the positions necessary in general or special practice are obtained easily and quickly, and can be held securely. If interested please write for special catalogue showing the chair in 12 different positions.

- T-190 Crown surgical chair, finished in black and upholstered in black leather. \$60.00
 T-191 Crown surgical chair, finished in white enamel and upholstered in white leather. \$70.00



T-195

McDASSOLD SURGICAL CHAIR

The chair is shown here in an upright position, all reclining positions are obtained by handle No. 1. Headrest can be moved up or down, backward or forward to suit size of patient or position desired. Among the principal positions that can be obtained from this chair, are the following: fully reclined and tilted for examination of eye, ear, nose and throat; dorsal for rectal and vaginal examination; knee position, chair tilted to side; full reclining or table position, length with headrest extended, 64 in.; chloroform table position, with head depressed, height 22 inches. The chair can be furnished upholstered in olive green or black leather.

- T-195 Price \$40.00



T-206

EXAMINING AND OPERATING CHAIRS

YALE SURGICAL CHAIR

No other chair on the market has such a wide range of motion and there is no position used by the modern surgeon and gynecologist that may not be obtained from this chair. The drop seat enables the operator to secure the correct dorsal position without moving the patient when vaginal, rectal and uterine examinations or treatment are to be given. The chair can be locked at any desired angle. It can be raised and lowered by means of foot lever and compressed air pump. The height of seat from floor can be extended from 14 to 24 inches.

- T-206 Complete with adjustable stirrups and head rest, upholstered in genuine leather \$24 00
 T-206A Upholstered in imitation leather 12 00

OXFORD SURGICAL CHAIR

This chair is a modified form of the Yale chair, the same high grade materials are used throughout and the majority of the parts of the two chairs are interchangeable. The point of difference lies in the design and construction of the raising and lowering device and in the operation of the seat. In the Oxford the elevation is secured by means of a revolving screw instead of an air pump and foot lever, and the seat is either a divided one or plain without the drop feature. When supplied with the divided seat, the front section may be let down out of the way, when the patient has been placed in position for gynecological examinations or treatments. All positions can be secured on this chair and for general utility and service no better equipment can be had for the money.

- T-201 Complete with adjustable stirrups and head rest, upholstered in genuine leather \$20 00
 T-201A Upholstered in imitation leather 12 00
 T-202 Divided drop seat, extra 15 00



T-201



T-210



Chair Position



Gynec. Urinary Position

SURGICAL TABLES

V. Mueller & Co.'s office examining and operating table is designed to meet the requirements of physicians who desire a good all-round table for general office use. While it is not of so fine a design as the more expensive table, it is in keeping with the latest style furniture. We put a nice oil-scrubbed finish upon it, and it makes a very handsome piece of office-furniture. The stirrups are adjustable, and are either nickel-plated or enameled copper finish. Copper nearest otherwise specified. The frame of the table is made of oak; the sides, legs, rock, head-rest and more prominent parts quarter-sawed. It is furnished with either an upholstery or genuine leather cushions and pillow. Has all the different positions and movements usually used. The leg-rests are divided, and can be removed. They are adjustable, and the head-rest is also adjustable. The top of the table is adjustable to any angle, and the patient can be passed into any position by means of a foot pedal. The cushion underneath has two raised legs on each side, which swing around to the side and front. It also has one large drawer, which opens from either side.

Dimensions: Height, 32 inches; width, 22 inches; length in normal position, 78 inches; length extended, 72 inches.

T-210 Price of table with ball-cloth leather cushions and pillow.....\$100.00

T-210A Price with genuine leather cushions and pillow.....75.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-215



ALLISON EXAMINING AND OPERATING TABLES



T-225

This is the highest type of table manufactured. Every possible position needed can be easily and quickly obtained. Automatic connection between back and leg rests. Six embracing instrument trays in revolving cabinet. Detachable leg rests. Stirrups and leg crutches. Made of selected and quarter-sawn oak. Loose leather cushions and pillow. Dry lined copper or nickel trimmings. T-215 With leather cushions and pillow, leg rests, pads and glass drawer bottoms. \$200.00

All standard low priced table. All important positions required in general practice can be readily obtained. Adjustable and detachable leg rests. Plain oak, japanned trimmings, except stirrups and sockets which are cadmium copper. Leatherette cushions and pillow. T-225 With imitation leather cushions and pillow. \$125.00



T-225



T-230



T-210

ALLISON EXAMINING AND OPERATING TABLES

These low priced tables will answer the requirements of most cases arising in general practice. The leg rest, table top and drop leaf are adjustable in different angles. japanned trimmings, with adjustable oxidized copper stirrups, solid square legs with friction casters comprise a very serviceable table which will appeal to many. Made of plain oak finished in waxed, shell-lac or golden gloss. Style T-230, same as T-225, except for cabinet under head of table.

T-225 No upholstery	\$22.50
T-224 Top upholstered in imitation leather with pillow	30.00
T-223 Top upholstered in imitation leather cushion and pillow	30.00
T-226 Top upholstered in genuine leather with pillow	35.00
T-225B Top upholstered in genuine leather cushion and pillow	35.00
T-225B Upholstered leg rest on either style T-225 or T-226 can be supplied for an additional charge of	2.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-235



T-240

EXAMINING AND OPERATING TABLES

The Compendia table. A good table for all-round use, especially adapted to X-Ray and osteopathic work. Weathered quartered oak. Other finishes to order. Gilded copper finish on metal parts.

Dimensions: 7 feet long in normal position (with extension 8 feet 7 inches); width, 31 inches; height, 28 inches.

T-235 Leather upholstery and silver \$15.00

T-235A imitation leather upholstery 30.00

V. MUELLER & CO.'S PHYSICIANS' OFFICE TABLE

This table is designed to meet the requirements of a plain examining table at a small cost. It is strongly constructed, nicely finished in oak. The main body is 28 inches wide, 40 inches long, and has a winged extension at each end of the table, when raised making 72 inches the total length; a sliding table, that can be drawn out on either side, for operating on the hand, and a pair of sliding adjustable foot stirrups.

T-240 Price \$12.00

Cushion, extra 5.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-254

T-250

"WHITE LINE"**OFFICE INSTRUMENT TABLES**

These tables have polished plate glass tops 18x26 inches, sheet steel shelves, and nickel-plated guard rail. The frames are of tubular construction, finished in white enamel, and are mounted on roller tips or lignum vitae rollers, as selected. They are made with and without drawers, as shown.

T-250 Office table, with polished plate glass top 18x26 inches, sheet steel shelf, and guard rail..... \$8.00

T-254 Office table, with polished plate glass top 18x26 inches, sheet steel shelf, drawer and guard rail..... \$9.00

THE MODEL TABLE

This table has a heavy porcelain enameled iron top, 18x26 inches. This is practically indestructible, is temperature, shock and other proof. Shelf is of polished plate glass. Frame of tubular construction, mounted on lignum vitae casters or roller tips, as selected. An attractive table of life long durability. Suitable for office, ward or private room. Top 18x26 inches.

T-256 Model table..... \$10.00

T-256A Model table, with guard rail..... \$10.00



T-256

Do not mutilate catalogue.—Specify section letter and number in ordering.



T. 265

DRESSING AND INSTRUMENT TABLES

The White Line porcelain enamel aseptic instrument tables have tops and shelves which are coated with pure porcelain enamel, vitrified onto the iron at a temperature of 1800 degrees Fahrenheit. They are clean, easy to keep clean and aseptic. The surface is snow white and all corners and edges are rounded. They are temperature proof, hot or cold vessels can be placed upon them without danger of breakage. The frames are of wrought iron, tubular construction, finished in white enamel and mounted on two-inch ligament rubber wheels or rubber tips as selected.

- T-265 White Line instrument table, 22 in. high, with porcelain enamel top and shelf \$12.00
 T-265A White Line instrument table, 24 in. high, with porcelain enamel top and shelf 20.00
 T-265B White Line instrument table, 30 in. high, with porcelain enamel top and shelf 25.00
 T-265C White Line instrument table, 36 in. high, with porcelain enamel top and shelf 30.00

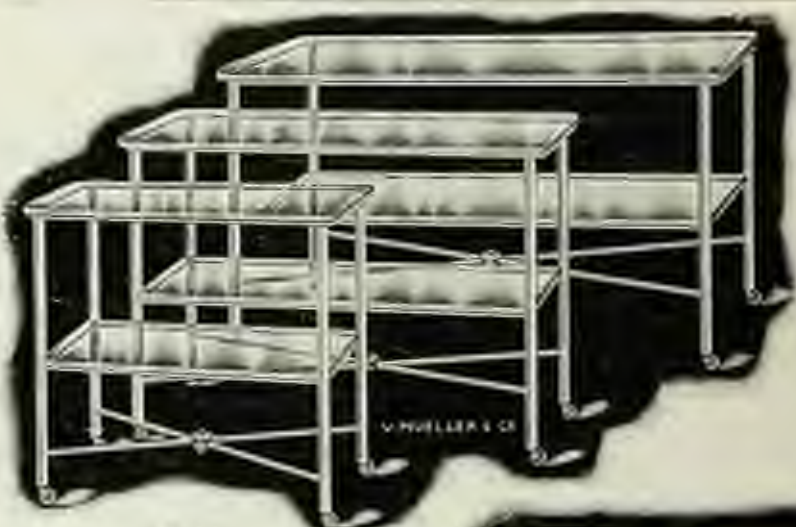


V. MUELLER & CO.

T. 270

V. Mueller & Co.'s office table is of a graceful and attractive design, with top and shelves of polished plate glass, guard rail is of nickel plated steel and the frame of tubular construction with curved legs; finished in white enamel, hand rubbed and baked.

- T-270 V. Mueller & Co.'s physician's office table \$10.00



T-215



T-280

DRESSING AND INSTRUMENT TABLES

These tables are made with plate glass or with white glass tops and shelves of heavy construction. They are well braced and supplied with casters. The glass overlaps the top of table thus preventing dust or moisture from soaking in to the corners. The legs are of round wrought pipe and the tables can be raised more easily than those of angle or hollowed design.

T-215 Dressing and instrument table, 36x20 ins., with plate glass top and one plate glass shelf	\$15.00
T-215a Dressing and instrument table, 36x20 ins., with plate glass top and one plate glass shelf	15.00
T-215b Dressing and instrument table, 48x20 ins., with plate glass top and one plate glass shelf	20.00
T-280 Dressing and instrument table, 36x20 ins., with plate glass top and one shelf	12.00
If with white glass top or shelf is wanted add \$1.50 for each top or shelf, to the above prices.	
T-280 and 280a Dressing and instrument table with porcelain enameled top and porcelain enameled shelf. The top has a wide apron around the sides and mounted on specially cast iron bases of tubular construction.	
T-280 24x18 inches	\$25.00
T-280a 36x24 inches	25.00
T-280b 24x18 inches	17.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-205

T-200

DRESSING AND INSTRUMENT TABLES

- T-205 V. Mueller & Co.'s dressing and instrument table. Frame is made of best quality angle steel firmly braced and protected by flaps. The top shelf is 18 1/2 inches, the lower shelves 22 1/2 inches, with nickel plated rail around top and mounted on casters..... \$1.00
- T-200 V. Mueller & Co.'s dressing and instrument table in the same in every detail as described under No. T-205, with the exception that it has no nickel plated rail around the top..... 1.00

HAND AND ARM OFFICE OPERATING TABLE

- T-206 Is designed to supply a long felt want. The different attachments are so arranged that, when working the affected parts with aseptic solution, none of the drainage can fall on the floor.

The four racks are attached by means of a hinge joint, so that, when put in use, they may be swung under the top plate, or detached entirely, leaving a clear office table.

The section bowl and sterilizing tray can be turned out at the end or side of the table, making it equally convenient to work from either side without changing the position of the patient.

The table is strongly constructed of malleable angle iron and is handsomely finished in white enamel, each coat of which is thoroughly baked. It is mounted on heavy rubber tired wheels, which adds to the weight, and altogether makes a very solid and firm table. The top and shelves are of 1/2-inch polished plate glass, and all rest on rubber. The table top is 18 1/2 inches, the shelves are 18 1/2 inches, and it stands 21 inches high.

- Firm complete as shown..... \$12.00
With double irrigators..... 15.00
Without irrigators..... 20.00



T-205

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-300



T-305

INSTRUMENT STANDS, DRESSING CASES, ETC.



T-305A



T-305B

- T-300 The Cool combination office treatment stand, combining a cabinet for intra-oral work, and two glass shelves. It has a swing-out immersion bowl, and a 3-gallon glass irrigator with cut-off, tubing and nozzle; size, height 31 inches, top 36 1/2 inches. All the iron work is best white enamel baked on finish. Price, with heavy plate glass having beveled edges is the cabinet; with porcelain tubing and basin, no bottles,..... \$20 00
- T-305A Same as above, with plain window glass, and the top plate glass unground. Price 11 50
- T-305B Aesthetic dressing case, constructed of wrought iron, white enameled; case is divided in center by a glass partition, making two separate compartments, each 17 1/2 inches, and 35 inches high; total height, 25 inches. Top is of steel, white enameled 36 1/2 inches. Price, 40 00

T-305A Case made of sheet metal, this is more durable and less expensive than wooden case for this purpose. For extra full with two drawers, 34 1/2 x 13 1/2 inches, weight 22 lbs., each..... \$1 00

T-305B For extra full with four drawers, 34 1/2 x 13 1/2 inches, weight 25 lbs., each..... 1 00

Standard finish, office green, gold striped.
 Finished in imitation oak or mahogany, extra for T-305A, B or C for T-305B..... 1 00

Individual locks, extra per drawer..... 75

Prices of other sizes upon application.

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-319



T-315



T-210

FOOT STOOLS AND WASTE RECEPTACLES

Foot stool and waste receptacle with top of corrugated rubber, hinged at the side and when raised discloses a removable white porcelain enol waste receptacle, which is not affected by acids. The stool is finished to match your other office furniture.

T-315 36 inches wide, 18 inches long, 9 inches high, quartered oak, cherry or walnut. \$4.00

T-314 (same as above) \$3.00

Antiseptic auxiliary receptacle, is made of heavy 26 gauge galvanized steel, double sealed and soldered, and is absolutely tight or rust proof. Aluminum brass finish, 2 gallon, square base.

T-211 6 gallon, sealed \$5.00

T-212 8 gallon, sealed \$6.00

T-213 10 gallon, sealed \$7.00

Three coat baked enamel white exterior and interior, 2 gallon \$2.50, 4 gallon, \$3.50, 6 gallon, \$4.50, 10 gallon, \$6.00.

Waste bin waste receptacle, is a porcelain enameled bucket 12 1/2 in. dia., fitted into a tubular constructed stand, mounted on rollers and finished in white enamel. The cover of the bucket is rimmed with a rim of copper nickel plated. Equipped with foot lift attachment for opening and closing cover automatically.

Bucket is supplied with perforated drain tray, cotton dressings and solids are caught by tray and can be lifted out without soiling the hands.

T-220 Price \$10.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-325



T-330

INSTRUMENTS CABINETS

V. Mueller & Co.'s instrument cabinet, No. 1, made from selected quarter-sawn oak, golden oak finish. Door fastened to exclude dust and moisture, interior finished in white enamel. It has 2 glass shelves. Height 62 inches, width 25 inches, depth 15 inches. With plate glass throughout.

T-325	.....	\$25.00
T-326	With plate glass shelves	25.00
T-327	With beveled plate front and plate glass shelves	25.00

V. Mueller & Co.'s instrument cabinet No. 2 is so constructed that the door of the upper compartment is fitted to close against a felt strip, making it absolutely dust proof.

It is fitted with four shelves held in place with a new copper bracket, a device that no other cabinet has.

The upper compartment is 36 inches high, 56 inches deep and 24 inches wide, with 2 glass shelves 1622 inches so spaced that the instruments may be easily seen. The compartment is white-enamelled inside.

The lower part is 36 inches high, with two compartments each fitted with a Florence glass door, mounted on our new steel slide, which carries the door up and back making each compartment easily accessible without disturbing the contents.

The cabinet is 60 inches high, 56 inches deep and 24 inches wide. Finished in quartered golden oak, easy English or weathered oak.

T-328	Price, plate glass double strength	25.00
T-329	Price, with plate glass shelves	25.00
T-330	Price, with plate glass shelves, beveled door and slides	25.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-315



T-345



T-348

INSTRUMENT AND MEDICINE CABINETS

All three of these cabinets are constructed of solid beautifully finished in Old English or weathered. Special finishes may be had by order but require more time for delivery.

T-315 A very popular medium sized cabinet. Glass shelves.

All interiors in hard white enamel. Two glass trays fitted to door of inner cabinet. Locking door to keep instruments free from dust and moisture. Height 66 inches, width 26 inches, depth 15 inches.

T-345 The best suspension instrument cabinet ever offered. Interiors finished in hard white enamel. Crisscross doors, adjustable glass shelves, drawers for cotton bandages, dressings, etc. Height 66 inches; width 26 inches; depth 15 inches; depth of base, 17½ inches.

T-348 Best in design and conveniently arranged for handling a stock of medicine. Swinging racks with spring levers, hold various sized bottles while wood shelves in the rear accommodate large bottles and jars. Capacity 200 bottles of assorted sizes. Height 66 inches; width 26 inches; depth 15 inches; depth of base, 17½ inches.

W222 H215 8 glass doors, 4 plate shelves, edges cut glass \$47.50

T-345 H215 8 glass doors, 4 plate shelves, edges cut glass 55.00

T-348 H215 8 glass doors 55.00

Plain plate glass doors instead of 8. T-322 extra 5.00

Plain plate glass doors instead of 8. T-328-345 extra 10.00

Finished in white enamel 8-10 extra.



T-350



T-350



T-355

INSTRUMENT CABINETS

V. Mueller & Co.'s new instrument cabinet No. 3, made of oak, finished in golden oak or white enamel; height, 40 inches; width, 20 inches; depth, 11 inches.

T-350 Plain glass throughout..... \$22.50

T-350A Plain glass shelves..... 17.00

T-350B Plain glass shelves and tiered plate glass front..... 20.00

V. Mueller & Co.'s instrument cabinet No. 4, made of oak, golden oak finish, door oaklined, inside white enameled, plain glass throughout, 40 inches high, 15 inches deep, 20 inches wide.

T-355 With mirror on top..... 30.00

T-355A Without mirror..... 18.00

T-355B With plain glass shelves and mirror on top..... 22.50

ASEPTIC INSTRUMENT CABINET

This cabinet is made of better grade sheet metal, and is of a very handsome design and finish. The door and shelves are of glass and the shelves are adjustable. Best proof door with lock and key.

Dimensions: 22 inches wide, 15 inches deep, and 40 inches high.

T-360 With double strength glass door and shelves, price..... \$22.00

T-360A With double strength glass door, and plain glass shelves, price..... 15.00

T-360B Hooped plate glass door and plate glass shelves, price..... 18.00



T-365

"THE PRINCESS" INSTRUMENT CABINET

This cabinet is made with and with out drawers, has a mirror-white porcelain enameled inside from top sides, back and drawers of sheet steel. Doors are swung on concealed hinges. Doors and drawers furnished with locks and keys. Shelves are of polished plate glass. Finished in pure white enamel, hand rubbed and baked.

T-360 Princess cabinet, without drawers, height over all 50 inches, cabinet proper 27 inches high, 20 inches wide, 26 inches deep \$41.00

T-361A Princess cabinet, with drawers, height over all 50 inches, cabinet proper 27 inches high, 20 inches wide, 26 inches deep, drawers 8 inches high, 8 inches wide and 11 inches deep \$45.00

WALL STANDS

Stands are of rigid construction, wrought iron tubing and cold rolled steel, reinforced at base with forged cross. The finish is white enamel, hand rubbed and baked. The two upper shelves are 12x12; the two lower shelves 18x12.

T-370 Wall stand, shelves of polished plate glass \$18.00

T-370A Wall stand, shelves of rough plate glass \$16.00

T-370B Wall stand, with shelves of sheet white porcelain enamel, size of upper shelves, 12x12 inches; lower shelves, 18x12 inches \$20.00



T-370

Do not mutilate catalogue.—Specify section letter and number in ordering.

**T-375 INSTRUMENT CABINET**

With enamel interior, adjustable glass shelves. Also supplied with stainless bearing hooks for smaller instruments. Combined doors secured with lock.

Dimensions: 26x26x29 1/2 inches

T-398 MEDICINE CABINET

Has adjustable shelves in the rear for large bottles, a pair of double swinging racks, the shelves supplied with spring holders, also shelves with spring holders for small vials, on the doors. Will hold two gross of bottles, assorted sizes, every one within easy reach.

Dimensions: 36x36x31 inches

T-375



T-398

T-375 Double strength glass throughout..... \$25.00

T-375A Double strength glass doors, four plate shelves..... 25.00

T-375B Four plate glass doors and shelves..... 28.00

T-375C Reveled plate glass doors, plate shelves 22.50

T-375D Beveled plate mirrors in doors, plate shelves..... 25.00

T-375E Double strength glass doors..... 25.00

T-375A Four plate glass doors..... 28.00

T-375B Beveled plate glass in doors..... 22.50

T-375C Beveled plate mirrors in doors..... 25.00

Front edges of shelves are ground and polished.

A combination cabinet, including styles T-375 and T-398, with partition, arranged for medicines on one side, and instruments on the other, \$50.00 more than style T-398.

Mirror in back, \$5.00 extra, or if made in two sections, \$10.00 extra. Finished exterior in white enamel, extra..... \$2.00



V. MUELLER & CO.

T-385

WALL INSTRUMENT AND MEDICINE CABINETS

V. Mueller & Co.'s wall instrument cabinet, 24 inches wide, 24 inches high, 8 inches deep. Made of oak, white enamel on the inside and the outside can be furnished in golden oak, weathered oak or white enamel. Fitted with 5 plate glass shelves.

T-385 Price..... \$20.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



V. MUELLER & CO

T-335

T-330

T-400

ASEPTIC WALL CABINETS

Cabinets for medicine rooms, wards, physicians' offices or bath rooms. Made of metal, with beveled glass door, with beveled plate glass in door and plate glass shelves.

T-335 Double door hanging cabinet with 4 plate glass shelves. 20 in 26 inches wide, 30 inches high and 5 inches deep. \$30.00
 T-330 Single door hanging cabinet with 3 plate glass shelves. 20 in 18 inches wide, 30 inches high and 5 inches deep. 25.00
 T-400 Single door, hanging cabinet, with 4 plate glass shelves. 20 in 20 inches wide, 30 inches high and 5 inches deep. 25.00



ASEPTIC INSTRUMENT CABINETS

Made entirely of metal and covered polished plate glass. Muntin-free fast and strong panel. Adjustable plate glass shelves with polished edges. Handsome baked enamel finish. Finished in white or wood colors. Made in a variety of styles and sizes.

T-40	Dimensions, 60 inches high, 25 inches wide, 25 inches deep	\$22.00
T-42	Dimensions, 72 inches high, 25 inches wide, 25 inches deep	\$26.00
T-44	Dimensions, 84 inches high, 25 inches wide, 25 inches deep	\$30.00
T-46	Dimensions, 96 inches high, 36 inches wide, 25 inches deep	\$32.00

We can furnish any of the above cabinets with double strength glass in the door and sides, and with plate glass shelves at \$20.00 less.



T-425

T-430

ASEPTIC CABINETS

Instrument and dressing cabinets, containing the popular style of case, and also drawers into which rubber goods and such items can be placed, which ordinarily would tarnish steel goods if placed in the regular case. They also have a cabinet underneath for towels, dressings or such items which do not make a good appearance among the instruments in a cabinet. These cabinets are acknowledged as the most practical for an operating room or a physician's office. The single cabinet is supplied with a Yale lock and catch for opening and closing the same, and the double cabinet has the Padlock lock, which securely locks the same on the top and on the bottom. It is also supplied with a Yale lock, knob and key. The dimensions of the single cabinet are: 41 inches high, 24 inches wide and 18 inches deep. This single cabinet is made in three styles of glass.

T-425	Single cabinet with sides and front of beveled French polished plate glass.....	\$100.00
T-425A	Single cabinet with sides and front of crystal glass.....	35.00
T-425B	Single cabinet with sides and front of double strength glass.....	75.00
T-430	Double cabinet. The dimensions of this, as shown to the right of the photograph, are 41 inches high, 36 inches wide and 18 inches deep. The sides and front are of beveled French polished plate glass, and it has four heavy polished French glass shelves.....	125.00

Do not mutilate catalogue.—Specify section letter and number in ordering.

INSTRUMENT STERILIZERS AND STANDS



T-435

T-435 Electrical sterilizer, V. Mueller & Co.'s "Simplex." This sterilizer has been on the market for several years and is one of the few thoroughly reliable and successful electric sterilizers. The construction is such that there is no possibility of accidental shock due to any exposed metal parts. The heating unit covers the entire bottom and by a very ingenious method the accidental burning out of the unit due to oversight in keeping water in the sterilizer is overcome by means of a fusible metal safety fuse. Will operate on 110 volt direct or alternating current. Size, 22 inches, \$15.00; 24 inches, \$18.00; 26 inches, \$21.00.

T-436 Electric sterilizer, "Victor." Made of polished copper. Two heating coils in cylindrical form facilitate the right amount of heating for sterilizing. The water is circulated around the cylinder, thus giving a great deal of heating surface. Made for two bottles with capacities 110 volt direct or alternating current. Size, 20 inches, \$20.00; 22 inches, \$23.00.

T-437 Instrument sterilizer, "Peaches." With gas heating attachment. This is arranged with an oven beneath to dry the instruments after sterilizing. Outside dimensions 14 inches, \$14.00; 16 inches, \$16.00; 18 inches, \$18.00; 20 inches, \$20.00; 22 inches, \$22.00; 24 inches, \$24.00.

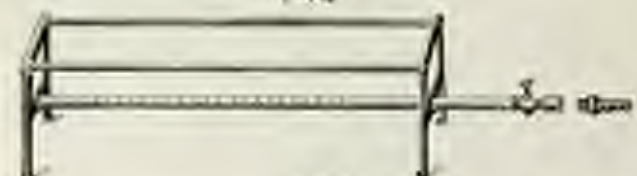
T-438 Sterilizer stand of iron, black finish, with burner and stopcock of brass. 4 inches high, 6 inches wide, made in three sizes, \$12.00; 12 inches, \$12.25; 14 inches, \$12.50.



T-440



T-445



T-450

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-435

INSTRUMENT STERILIZERS

T-432 Instrument Sterilizer, Lewis'. The principle of this sterilizer is entirely new. The tray for instruments is attached to the lid and by lifting the same the tray is raised simultaneously clear of the hot water and held in this position. After using the instruments they can be placed on the tray and when closing the lid water, Lewis will be immersed into the water for sterilization. Sterilizer is made entirely of copper, nickel plated. Dimensions inside 14 inches. Inside including base with burner 5 inches.

Price \$14.50

T-436 Instrument Sterilizer, Gould's. with perforated cup which sets into the boiler for holding the instruments. The perforated cup is 2 inches in diameter and 3 inches deep. Both the boiler and the perforated cup are provided with wooden handles. The cover is 3 1/2 inches deep which allows the sterilizing of instruments 3 inches long. A circular burner burner is provided by which means a more intense heat is produced; a small pilot light is attached to the burner which may be kept burning continuously if desired. It being unnecessary to light the burner every time the sterilizer is to be used. Extreme height 14 inches, diameter of base 8 1/2 inches.

Price

..... \$12.00



T-450

T-451 Electric Sterilizer on tracks, same as T-450. Same design, complete with basket and connecting cord.

Price \$16.50



T-465



T-475



T-470



T-482



T-485

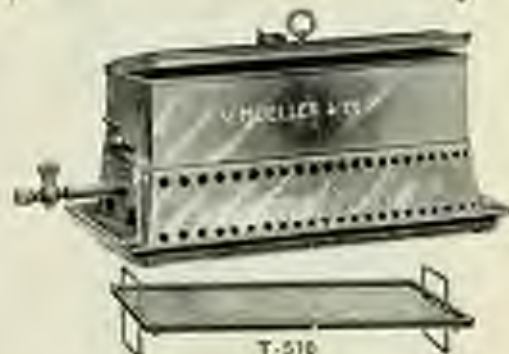


T-490

AUTOClave AND STERILIZERS

- T-475 Hospital dressing sterilizer, Buckmaster's. The inner sterilized chamber is 15 inches in diameter by 15 inches high and is provided with an exhaust cover to protect the contents from the dripping water formed by the combination of steam upon the underside of the cover or vent, at the safety hood. The sterilizer is of a size sufficient to sterilize enough articles for several major operations. Food may be dry steam sterilized in this apparatus by simply removing the cover from the top of the outer hood and venting the heat for 15 minutes. Made of heavy copper, polished. \$27.50
- T-470 Autoclave or digester, Buckmaster's. This apparatus is for sterilization under steam pressure. It is fitted and guaranteed to stand a pressure of 25 lbs. to the square inch and is provided with a pressure gauge, thermometer and safety valve. Inside dimensions are 12 inches deep and 12 inches in diameter. Entire height including short iron base is 41 inches. Complete with burner. \$5.00
- T-482 Water sterilizer, White Line, made of copper nickel plated 2-gallon, \$15.95; 3-gallon, \$15.95
- T-485 Water sterilizer, V. Mueller & Co.'s, made of brass, copper and nickel plated, supplied with special hot water faucet and protected water gauge, 3-gallon, \$11.95; 5-gallon, \$13.00
- T-490 Double wall, pressureless, for pasteurizing milk in the home. Complete with seven 32 oz. bottles, \$1.00; with 16 bottles, \$4.00; with 32 bottles, \$10.00

Do not mutilate catalogue—Specify section letter and number in ordering.



INSTRUMENT STERILIZERS

- T-495 Instrument sterilizer made of white steel porcelain with perforated tray for holding bag contents, 30 in. long, 12 in. x 15 in. \$10.00
- T-500 Instrument sterilizer, with holding tray, made of polished copper, 30x22x15 in. \$10.00
- T-505 Instrument sterilizer, same as described under T-500 except that it has no holding legs, 30x22x15 in. \$10.00
- T-510 Instrument sterilizer, made of polished copper with perforated tray for holding contents, 30x22x15 in. \$10.00
- T-515 Instrument sterilizer, "The Pyralis," with gas stand attachment, made of copper highly polished and nickel plated. Small 12x15 in. \$15.00; medium 12x22 in. \$25.00
- T-515A Instrument sterilizer, made of heavy copper, polished and nickel plated with perforated nickel plated tray for holding contents. 12x22x15 in. \$10.00
- T-515A Instrument sterilizer, especially designed for the eye, ear, nose and throat special set, made of heavy copper and perforated metal tray for holding contents, is highly polished and nickel plated and mounted on four brass nickel plated legs. Equipped with gas burner with stopcock, 12x15 in. \$15.00
- Equipped with electric heating attachment. \$25.00

Do not mutilate catalogue.—Specify section letter and number in ordering.

ROCHESTER COMBINATION STEAM STERILIZERS STEAM, HOT AIR, BOILING WATER

These sterilizers are efficient because the most effective known sterilizing agent, circulating steam, passes through the sterilizing chamber in such a way as to thoroughly penetrate all parts of the contents.



T-520



T-525



T-530

The steam being shut out of the chamber by a control valve, passes between the double walls, heating the air in the chamber to about 212° F. The air in turn heats the dressings as there is no danger of combustion when the steam is admitted. After the steam has circulated through the dressings for a sufficient time, it is shut out of the chamber, and the dressings are allowed to remain until completely dried by the heated air, which enters the chamber after the steam is turned off.

The same can be used for sterilizing instruments in a one per cent. soda solution.

Complete instructions accompany each sterilizer.

Heavy tin, copper bottom.

T-520 No. 104, 14 inches long, 8 inches wide, 6 inches deep..... \$18.00

T-520A No. 106, 16 inches long, 6 1/2 inches wide, 7 inches deep..... 14.00

T-520B No. 108, 18 inches long, 7 1/2 inches wide, 8 inches deep..... 18.00

Polished copper, tin lined.

T-520C No. 110, 14 inches long, 7 1/2 inches wide, 6 inches deep..... 17.00

T-520D No. 112, 16 inches long, 6 1/2 inches wide, 7 inches deep..... 15.00

T-520E No. 114, 18 inches long, 7 1/2 inches wide, 8 inches deep..... 17.00

T-520F No. 116, 14 inches long, 6 1/2 inches wide, 7 inches deep..... 12.00

T-520G No. 118, 16 inches long, 7 1/2 inches wide, 8 inches deep..... 20.00

T-520H No. 120, 12 inches long, 11 inches wide, 10 inches deep..... 20.00

Nickel plating \$1.00, \$1.25, \$1.50, \$2.00, \$2.50 and \$3.00 extra according to size.

ROCHESTER COMBINATION STERILIZERS, WITH DEEP BASE

The upper part of these sterilizers is the same as above, but the deep base affords a receptacle for sterilizing water at the same time.

A gauge and faucet is provided.

T-525 No. 119..... 21.00

T-525A No. 121A..... 11.25

T-525B No. 121B..... 20.00

ELECTRICALLY HEATED ROCHESTER STERILIZER

The electric method of heating is acknowledged by all authorities to possess decided advantages over every other method and where electricity is available it should by all means have the preference.

T-528 No. 122..... 10.00

T-528A No. 124..... 22.00

T-528B No. 126..... 20.00

T-528C No. 128..... 20.00

T-528D No. 130..... 20.00

T-528E No. 132..... 20.00

T-528F No. 134..... 20.00

The sizes of electrically heated sterilizers are the same as numbers 104 to 122 listed above.



T-535

ROCHESTER THREE-PIECE STERILIZING OUTFIT

PHYSICIANS' SIZE

T-535 Polished copper sterilizers.....	\$45.00
T-535A Nickel plated sterilizers.....	50.00
White enamel stand with Hansen gas burner under each sterilizer.	
Instrument sterilizer 12x18x24 in.	
Dressing sterilizer 24x18x24 in.	
Water sterilizer, 2 gallons, with gauge and faucet.	

HOSPITAL SIZE

T-536 Polished copper sterilizers.....	\$90.00
T-536A Nickel plated sterilizers.....	100.00
White enamel stand with Hansen gas burner under each sterilizer.	
T-537 With gasoline burners.....	\$100.00
T-537A With alcohol burners.....	\$110.00
T-538 With alcohol burners.....	\$120.00
Instrument sterilizer 24x18x24 in.	
Dressing sterilizer 24x18x24 in.	
Water sterilizer, 2 gallons, with gauge and faucet.	

ROCHESTER TWO-PIECE STERILIZING OUTFIT

PHYSICIANS' SIZE

T-536 Polished copper sterilizer.....	\$22.00
T-536A Nickel plated sterilizer.....	25.00
White enamel stand with Hansen gas burner under each sterilizer.	
T-537 With gasoline burners.....	\$25.00
T-537A With alcohol burners.....	28.00

HOSPITAL SIZE

T-536 Polished copper sterilizers.....	\$45.00
T-536A Nickel plated sterilizers.....	50.00
White enamel stand with Hansen gas burner under each sterilizer.	
T-537 With gasoline burners.....	\$100.00
T-537A With alcohol burners.....	110.00

SPECIALISTS' SIZE

Inside dimensions: Instrument sterilizer 12x18x24 in., Dressing sterilizer 24x18x24 in.	
T-536B Specialists' outfit, same in appearance as T-536, price with polished copper sterilizers.....	\$30.00
T-536H Specialists' outfit, with nickel plated sterilizers.....	35.00



T-540

ROCHESTER COMBINATION STERILIZERS

Steam, boiling water, hot air all in one apparatus.

PHYSICIANS' SIZE

T-540 Polished copper, (without stand).....	\$75.00
T-540A Nickel plated (without stand).....	85.00
Dimensions: 18x18x24 inches.	

HOSPITAL SIZE

T-540B Polished copper, (without stand).....	\$100.00
T-540C Nickel plated, (without stand).....	110.00
White enamel stand with Hansen gas burner for either size.....	\$20.00
Dimensions: 24x18x24 inches.	



T-545

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-550

ROCHESTER FOUR-PIECE STERILIZING OUTFITS

Instrument sterilizer, two water sterilizers and dressing sterilizer.

While stationed stand with gas burners.

The completeness and effectiveness of these sterilizing outfits coupled with their simplicity have given them a world-wide reputation among physicians, hospitals and sanitarians.

HOSPITAL SIZE

T-550 Polished copper sterilizer, with gas burners, \$115.00; with electric heaters.....	\$125.00
T-550A Nickel plated sterilizers, with gas burners, \$122.00; with electric heaters.....	125.00
Inside dimensions: Instrument sterilizer 18x24x24 inches; dressing sterilizer, 24x24x24 inches.	
T-550 With gasoline burners, \$122.00; T-550A.....	\$125.00
T-550 With alcohol burners, \$25.00; T-550A.....	27.00

PHYSICIAN'S SIZE

T-550B Polished copper sterilizer, with gas burners, \$80.00; with electric heaters.....	\$125.00
T-550C Nickel plated sterilizer, with gas burners, \$80.00; with electric heaters.....	125.00
Inside dimensions: Instrument sterilizer, 18x24x24 in.; dressing sterilizer, 24x24x24 in.	
T-550B With gasoline burners, \$80.00; T-550C.....	\$125.00
T-550B With alcohol burners, \$20.00; T-550C.....	25.00

SPECIALISTS SIZE

T-550D Polished copper sterilizer, with gas burners, \$40.00; with electric heaters.....	\$45.00
T-550E Nickel plated sterilizer, with gas burners, \$40.00; with electric heaters.....	50.00
Inside dimensions: Instrument sterilizer, 18x24x24 in.; dressing sterilizer, 24x24x24 in.	
T-550D With gasoline burners, \$40.00; T-550E.....	\$45.00
T-550D With alcohol burners, \$20.00; T-550E.....	25.00

Fuses with porous bronze covers, asbestos burners, or steam connections on application.

Do not mutilate catalogue.—Specify section letter and number in ordering.



MUELLER & CO

T-555

"WHITE LINE" OFFICE STERILIZING OUTFITS

A complete plant for the perfect surgical sterilization of dressings, water, and instruments; suitable for the surgeon's office. It includes dressing sterilizer (Wisconsin pattern) with sterilizing chamber 17½x9x7½ inches with tray for dressings; water sterilizer, capacity three gallons, with lever handle, three-of-a-foot and protected water gauge; and an instrument sterilizer 12½x14x14 inches, with perforated metal tray for handling the contents. The sterilizers are made of heavy copper, nickel plated, with all corners rounded. They are mounted on wrought iron tubular stands with heavy reinforced cast top, finished in white enamel and brass, and fitted with our improved blue flame gas, gasoline, or denatured alcohol burners.

T-550 "The Wisconsin" with gas burner.....	\$25 00
T-552A "The Wisconsin" with gasoline burner.....	\$5 00
T-552B "The Wisconsin" with denatured alcohol burner.....	\$5 50

"THE MINONA"

Physicians using prepared surgical dressings will find this outfit just what they require. It includes the water and instrument sterilizers only, of the same capacity and size used as the "Wisconsin" outfit described above.

T-550 "The Minona" with gas burner.....	\$25 00
T-552A "The Minona" with gasoline burner.....	\$7 50
T-552B "The Minona" with denatured alcohol burner.....	\$8 50
T-552C "The Minona" with instrument sterilizer and two water sterilizers for hot and cold sterile water, gas heated.....	\$8 50

T-550

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-565



T-570

"THE SCANLAN" DRESSING STERILIZERS

One of the best sterilizers on the market today for the perfect surgical sterilization of dressings, etc., by the Hotchkiss and McNamee's method of sterilizing with steaming, overhead, down draft, circulating live steam at a temperature of 212 degrees F. The construction of the apparatus insures the most complete penetration of the dressings during the period of sterilization and the rapid drying of the dressings after sterilization has been completed.

They are made in two sizes of heavy copper, with removable inner chamber for cleaning purposes, equipped with steam draft, water gauge, filler nozzle and stop cock, for emptying boiler. The outer body, cover, fittings, etc., are polished and nickel plated. Sterilizers are mounted on stands of wrought iron, tubular construction, finished in white enamel, furnished with improved gas, gasoline, or denatured alcohol burners.

T-565 Scanlan dressing sterilizer, size of sterilizer chamber 14 inches diameter by 34 inches high, on stand with burner.....	\$15.00
T-565A Without stand and burner.....	65.00
T-562 Scanlan dressing sterilizer, size of sterilizer chamber 14 inches diameter by 22 inches high, on stand with burner.....	35.00
T-562A Without stand and burner.....	75.00

NOTE—Sterilizers can be equipped with steam coils at an added expense of \$15.00.

"THE SCANLAN" PORTABLE STERILIZER

This sterilizer will give perfect surgical sterilization, and can be used for office or portable work. It works on the same general principle as our Scanlan dressing sterilizer. It is made of heavy copper, fitted on the inside, polished and nickel plated outside; has dressing chamber 12x27 inches, with trap, and a boiler with trap and cover (which can be detached and used as an instrument sterilizer 10x10x10 inches). It is mounted on a wrought iron stand of tubular construction, finished in white enamel, with side for holding dressing chamber, and furnished with improved gas, gasoline, or denatured alcohol burner.

T-575 Scanlan portable sterilizer, on stand, complete, as described.....	\$20.00
T-575A Scanlan portable sterilizer, without stand.....	21.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-575

"THE WHITE LIXE" LOW PRESSURE STERILIZING OUTFITS

These outfits were made up to meet the requirements of small hospitals or sanitariums having a limited surgical practice, of physicians and surgeons having a very large office practice in accidental surgery, and of large manufacturing plants that have installed an operating room for accidental surgery and first aid. They make a complete plant for the perfect sterilization of dressings, water, and instruments.

They are made in two combinations; one including sterilizers for water and instruments; the other, for dressings, water and instruments. The dressing sterilizer is of the Boudin pattern (described on page 576); water sterilizers for hot and cold sterile water, capacity of each tank, 5 gallons, complete with filter, valve connections, water gauge, thermometer, and draw-off faucets; instrument sterilizer, 10x22 inches; complete with perforated metal tray for holding instruments, and wire handles for lifting tray.

The sterilizers are all made of heavy copper, polished and nickel plated, are mounted on wrought iron tubular stands, finished in white enamel, and furnished with improved gas, gasoline or denatured alcohol burners, as ordered.

- T-575 Low pressure sterilizing outfit, complete with two 5-gallon water sterilizers, and instrument sterilizer 10x22 inches, on stand..... \$125.00
- T-575A Low pressure sterilizing outfit, "The Boudin" complete with Boudin dressing sterilizer 10x22 inches; two 5-gallon water sterilizers, and instrument sterilizer 10x22 inches, on stand..... \$130.00
- T-575B Low pressure sterilizing outfit, "The Boudin" complete with Boudin dressing sterilizer 10x22 inches, two 5-gallon water sterilizers, and instrument sterilizer 10x22 inches, on stand..... \$135.00



T-502

"THE WHITE LINE" HIGH PRESSURE WATER STERILIZERS, GAS HEATED

Limited space in our general catalogue prohibits our entering into a detailed description of the construction, finish and efficiency of this apparatus. These water sterilizers represent the highest type of sterilizer construction, embodying improvements, especially in filter and combination faucet details that are not shown in any other make of apparatus. We make them in three sizes, 15, 25 and 50-gallon capacity.

T-500 High pressure water sterilizers, size 1, capacity 15 gallons each tank, gas heated, \$125.00

T-505 High pressure water sterilizers, size 2, capacity 25 gallons each tank, gas heated, 175.00

T-508 High pressure water sterilizers, size 3, capacity 50 gallons each tank, steam heated 240.00

T-500C High pressure water sterilizers, size 1, capacity 15 gallons each tank, steam heated 120.00

T-505C High pressure water sterilizers, size 2, capacity 25 gallons each tank, steam heated 175.00

Special catalogue and detailed description of sterilizers will be sent upon request if you are interested.

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-585

HIGH PRESSURE WATER STERILIZERS

KNY-SCHREER CO'S PERFECTION TYPE

The perfection type high pressure water sterilizers are guaranteed in every detail of construction. In the manufacture of these apparatus no braced or riveted copper tanks are used but only seamless cold drawn brass shells. A cast brass dome, bedded in a heavy brass ring, secured inside of the tanks, forms the top of each sterilizer; this construction insures absolute safety combined with durability.

All water must pass through the filter before entering the tanks.

When boiler steam is used for heating we mount in each tank a coil of extra heavy copper pipe (not tubing) and in the left tank a coil for cooling the water rapidly if it is required, immediately after sterilization is completed.

When gas, petroleum or alcohol heaters are used, we mount under each tank a powerful burner and in addition in each tank an inner tube heater through the length of the tank. This accelerates the heating and saves on the fuel.

When gas and steam heating are both used, we use the regular gas heater burner and add the steam heating coils.

The illustration shows the necessary pipes and valves for the installation, but these are not included in the cost of the apparatus.

T-585 Size No. 1, capacity of tank, 15 gallons, heated by boiler steam exceeding 25 lbs. pressure, \$125.00; heated by gas, \$150.00

T-585A Size No. 2, capacity of tank, 25 gallons, heated by boiler steam exceeding 25 lbs. pressure, \$150.00; heated by gas, \$200.00

T-585B Size No. 3, capacity of tank, 35 gallons, heated by boiler steam exceeding 25 lbs. pressure, \$175.00; heated by gas, \$225.00

Prices on larger sizes upon application.

If interested write for complete description of above apparatus.

All sterilizers quoted above with gas, petroleum or alcohol heaters run, in addition, be arranged with steam heating coils at an advance price of \$20.00 per set.

Do not mutilate catalogue.—Specify section letter and number in ordering.



Front View

T-590



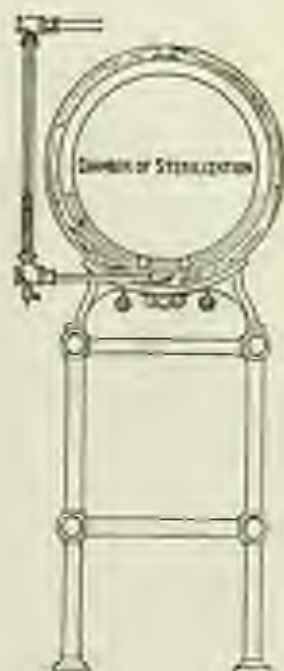
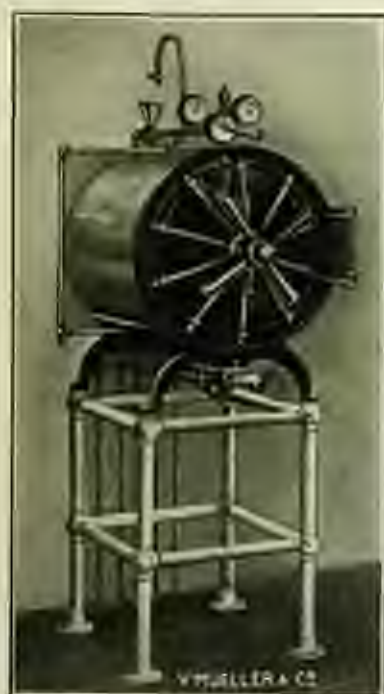
Side View

"THE WHITE LINE" HIGH PRESSURE DRESSING STERILIZERS

The construction of this high pressure dressing sterilizer differs radically from that of other manufacturers. The construction permits of its being taken apart for cleaning or for necessary repairs by any competent steamfitter; has a positive lock for the interlocking radial arms of the door; and can be worked entirely from the front. In the construction of the boiler, valve and pipe system, the manufacturer has followed the rules of the very latest engineering practice, and produced, in design, simplicity, efficiency and durability, a most perfect piece of apparatus. Circulars giving complete description will be mailed upon request, if you are interested.

T-590 High pressure dressing sterilizer, No. 1, sterilizing chamber 11 1/2 inches.....	\$20 00
T-590A High pressure dressing sterilizer, No. 2, sterilizing chamber 14 1/2 inches.....	\$25 00
T-590B High pressure dressing sterilizer, No. 3, sterilizing chamber 20 1/2 inches.....	\$30 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-506

HIGH PRESSURE DRESSING STERILIZERS

KNY-SCHIEBER CO'S PERFECTION TYPE

This sterilizer has long been noted for its superior qualities.

It is double jacketed so as to conserve the heat. The makers guarantee

ABSOLUTE RELIABILITY AND POSITIVE RESULTS.

STRONGEST POSSIBLE CONSTRUCTION.

EASE AND SIMPLICITY OF OPERATION.

The apparatus is fitted with a vacuum valve and air ejector to withdraw the air from the dressings to insure thorough and rapid penetration of the steam. The two cylinders which form the steam jacket and chamber are of extra heavy copper lined with pure tin, copper riveted to copper control and rings. The water jacket and all fittings are nickel plated, door and back head-bolts. The combination valve on the top near the front controls the steam and being the only valve to handle the water does not become clogged, nor does her handle.

The one gauge shows the pressure in the jacket. The other gauge shows either pressure or vacuum in the chamber, so that the internal conditions can always be noted accurately. Y-500 Size No. 1, internal dimensions of sterilizing chamber, 14x22, arranged for steam and gas heating. \$120.00

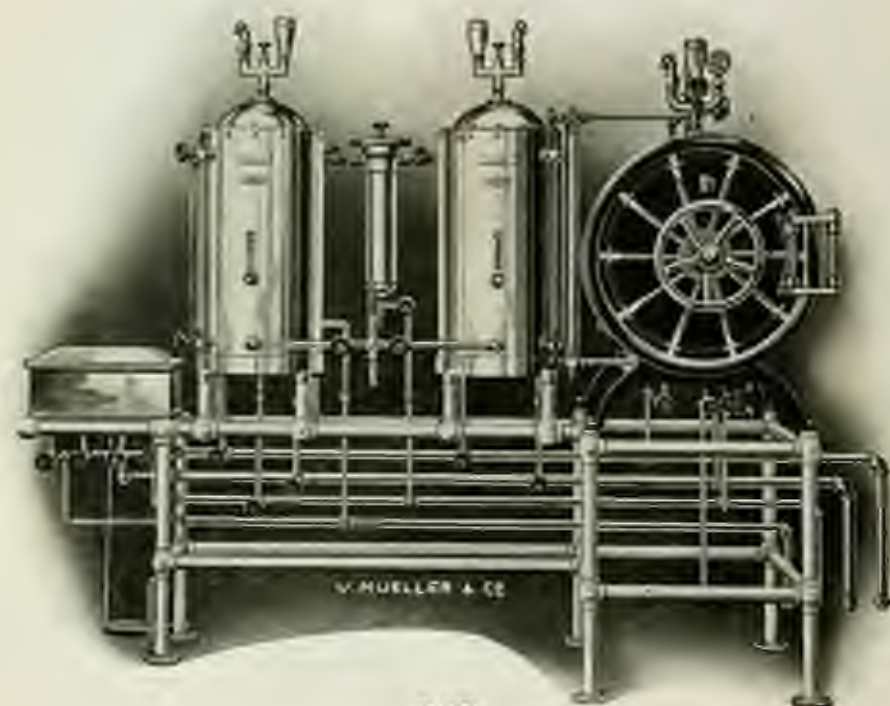
Y-501A Size No. 1, internal dimensions of sterilizing chamber, 14x22, arranged for heating by hotter steam of 25 lbs. pressure and over, \$125.00; arranged for steam and gas heating. \$90.00

Y-501B Size No. 4, internal dimensions of sterilizing chamber, 16x28, arranged for heating by hotter steam of 35 lbs. pressure and over, \$135.00; arranged for steam and gas heating. \$100.00

Y-502C Size No. 6, internal dimensions of sterilizing chamber, 20x28, arranged for heating by hotter steam of 35 lbs. pressure and over, \$150.00; arranged for steam and gas heating. \$105.00

Pipes as smaller or larger sizes furnished upon application.

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-600

"THE WHITE LINE" HIGH PRESSURE STERILIZING APPARATUS COMBINATION STAND

When the full space in the sterilizing room permits, we can furnish the sterilizing plant as shown, mounted on one stand, complete with all necessary pipes and valves for steam supply, steam return, water supply and water waste, etc., ready to connect to pipes. The outfit includes: one high pressure drenching sterilizer, one set high pressure wash sterilizers, and one instrument sterilizer.

Many of the plants sold by us in the past have been installed in this manner, and we find it is more satisfactory, in every way, both to the hospital as purchasers and to ourselves as manufacturers. It insures, in the first place, that all connections, valves, etc., will be connected properly; secondly, the placing of the valves at the same convenient points for operating the plant; and third, a greater economy on the part of the hospital making the installation.

The stand is of extra heavy wrought iron tubular construction, finished in white enamel or aluminum lacquer, as desired.

The prices depend entirely upon the size of the units selected, and we shall be pleased to give quotations upon receipt of specifications.

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-653



T-610

INSTRUMENT AND UTENSIL STERILIZERS

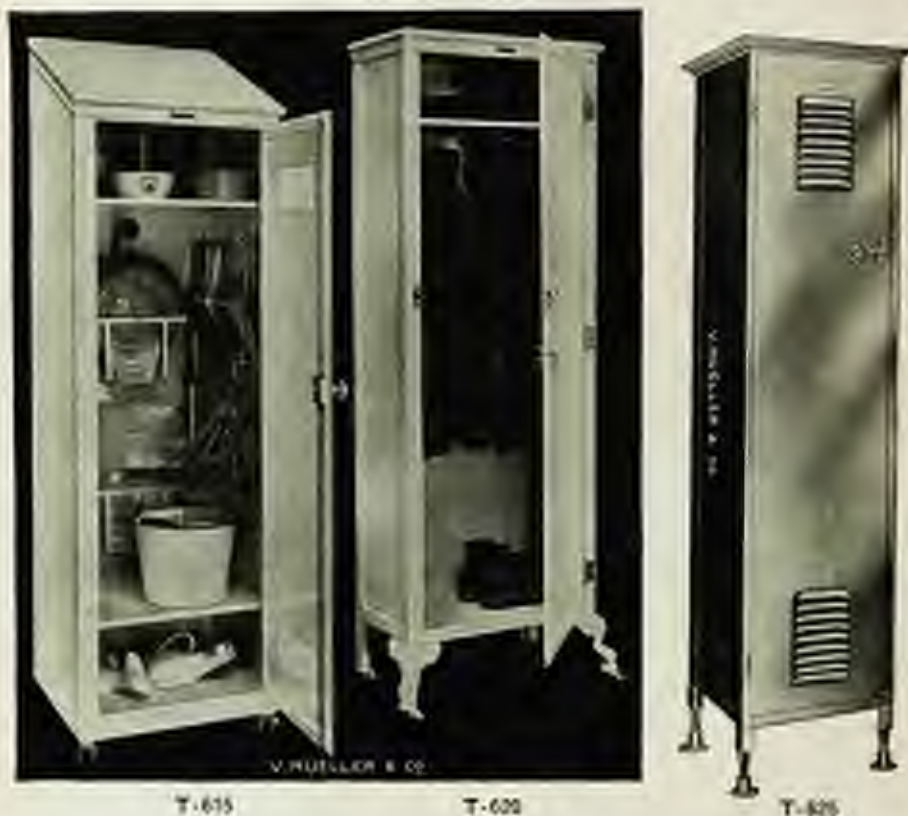
These sterilizers are made in three sizes, of heavy copper, coated internally with pure tin, the outer surfaces being polished and nickel plated. A water seal at the upper edge into which the cover fits reduces the escape of steam to a minimum. They are furnished with perforated metal trays for holding instruments, and wire handles for lifting trays; are equipped with improved foot-lift for raising and lowering the cover, stop-cock in bottom for emptying, and are mounted on wrought iron tubular stands of handsome design, finished in white enamel, and furnished with special blue flame gas burners.

T-600 Instrument sterilizer, No. 1, length 36 inches, width 8 inches, depth 8 inches, with one large tray.....	\$20 00
T-605A Instrument sterilizer, No. 1, length 34 inches, width 8 inches, depth 7 inches, with one large and two small trays.....	\$25 00
T-605B Instrument sterilizer, No. 2, length 22 inches, width 12 inches, depth 10 inches, with one large and two small trays.....	\$35 00
NOTE—Steam coils, extra \$10 00. Water supply valve, extra.....	1 00

UTENSIL STERILIZER

This sterilizer is used for the rapid sterilization of basins, trays, pickers, etc. It is made of heavy copper, coated with pure tin inside, polished and nickel plated on the outside. Has water seal at its upper edge for the reception of the cover, which reduces the escape of steam to a minimum. It is furnished with heavy perforated metal tray, connected by chains passing over pulleys to the cover; is equipped with an improved foot lift for raising the cover and elevating the tray at the same time. It is mounted on a wrought iron tubular stand, finished in white enamel, and furnished with blue flame gas, gasoline or denatured alcohol burner.

The sterilizer can be equipped with steam coil for heating at an added expense of \$11 50.	
T-430 Utensil sterilizer, length 24 inches, height 20 inches, depth 20 inches, with gas, gasoline or denatured alcohol burner.....	\$25 00
T-435A Utensil sterilizer, length 24 inches, height 20 inches, depth 20 inches, equipped with steam coil.....	\$35 00



T-615

T-620

T-625

UTENSIL CABINETS AND METAL LOCKERS

T-615 Utensil cabinet for storing double pans, hot pans, strainers, pot pans, dust pans, dusters, and other household articles.

Made entirely of metal, finished in white enamel. \$30.00

T-620 Wardrobe for coats in doctor's room, 18 inches wide, 12 inches high, 12 inches deep. Made entirely of metal, finished in white enamel. \$20.00

T-625 Locker, made of pressed steel. These lockers are constructed on the ISO principle throughout and can be rearranged, their location changed as number increased or decreased. Furnished single or in series of two 34 1/2 in., etc. They are very durable and much cheaper than anything else that can be used for this purpose. They are now in use in practically every modern hospital in the country.

Price furnished upon application.

The standard finish of these lockers is olive green.

When mixing facilities olive color wanted if other than standard.



T-630



T-635

WHEEL STRETCHERS

Our wheel stretchers are constructed to withstand the most severe usage. The frames are made of steel, braced to give the greatest strength, and are mounted on heavy steel suspension wheels and rubber cushion tires. The small wheels are twelve inches and the large wheels twenty-four inches in diameter. The top is removable, made of heavy oak, stained or varnished, fitted at the corners with heavy wrought iron picket pointed handles. This top will serve admirably as a carrying stretcher. The forks are hand forged. The frames and wheels are finished in white enamel.

T-630 Wheel stretcher	.....	\$15.00
T-635 Wheel stretcher	.....	do "



Double
T-640



Improved Pattern
T-645



Single
T-650

IRRIGATOR STANDS

This stand has a heavy tripod base mounted on casters; is adjustable from five to eight feet in height; and is furnished with basin for immersing nozzles.

T-640 Irrigator stand, double, complete with 1 gallon irrigators, nickel plated tube and covers, rubber tubes, cut-offs, and glass irrigating nozzles.....\$18 00

This stand is made of tubular wrought iron, mounted on extra heavy base, with large rubber lined casters, suspension ring and basin for holding irrigating nozzles, eight inch semi-circular collar for holding irrigators; is adjustable with worm gear and ratchet. The cone with which the irrigators can be placed in position or removed; the rigid position in which they are held by the rings; and the mode of adjustment make this the best type of stand on the market.

T-645 Irrigator stand, double, improved pattern, complete with two 1½ gallon irrigators, covers, basin, rubber tubes, cut-offs, and irrigating nozzles.....\$25 50

This pattern is used by rooms or works; is light enough to be carried easily; is adjustable in height by means of telescoping rod and set screw.

T-650 Irrigator stand, single, light pattern.....\$15 00



T-655

T-660

COMBINATION IRRIGATOR AND WASH STANDS

The combined irrigator and wash stands here illustrated fit a long hot water tap and they are especially suitable for office use. The frame holding the wash basin is adjustable up and down, on the upright post, which makes it very useful in many ways. In donching for instance, the patient can be brought over one of the basins and the proper height is easily and quickly obtained. The basins can be adjusted from 2 inches from the floor to a height of 1 ft. The stand has a heavy base mounted on casters and is finished in white enamel with all working parts nickel plated.

T-655 Irrigator with two No. 22 basins, one 1 gallon percolator, 5 ft. tubing, cut-off and glass bottle.....	\$15.00
T-660 Irrigator same as T-655 but with two 5 gallon percolators, rubber tubing, cut-off and glass vessel.....	25.00
T-660A Irrigator same as T-660, but revolving frame with three basins.....	30.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-670

T-675

T-680



T-685

T-690

T-695

IMMERSION BOWL STANDS

All our stands have a substantial heavy base of latest design and are just as light as bright as some offered at some price which tip over easily and do not revolve. Our bowls revolve on top of standard and are also supplied with ligament, Vitae, casters. Our white enamel is hard baked and high finish.

The enamelware ware is the best made.

T-670	Revolving tray and two deep bowl revolving immersion stand, as cut. (This is an extremely good first model)	\$11.50
T-675	Two bowl revolving stand, as cut, all white	\$1.00
T-675A	Two bowl revolving stand, as cut, with a white and blue bowl	1.00
T-680	Two bowl revolving stand, as cut, with deep white bowls	7.00
T-685	Three bowl revolving stand, with deep white bowls	10.00
T-690	Asymptotic two-bowl wash stand, with 12 1/2 inch enameled basins, white enameled stand	7.00
T-690A	Asymptotic three-bowl wash stand, with 12 1/2 inch enameled basins, white enameled stand	8.00
T-695	Asymptotic one-bowl wash stand, with 12 1/2 inch enameled basins, white enameled stand (without pitcher)	4.00
T-700	Male Japanese one-bowl wash stand, with 12 1/2 inch bowl	2.50
T-700	Giant with immersion bowl, and two deep bowl revolving stand, as cut	12.50



T-700



T-705



T-710

BOTTLE RACKS FOR STOCK SOLUTIONS

- T-705 Bottle rack for 6 bottles. Constructed of tubular wrought iron, white-enamelled and mounted on casters. The frame is strongly made and is perfectly rigid. The bottles furnished with this rack are 1 gallon capacity each, with either wide or narrow neck, they are supported in tilting frames and can be easily removed for cleaning. \$15.00
- T-705A Bottle rack, same as described under T-705, but with four one gallon bottles. 20.00
- T-710 Bottle rack, made of tubing, fitted to a heavy metal base, mounted on ball-bearing casters. The bottles have glass stoppers and are of 1 gallon capacity each. Fitted is a tilting rack. The bottles are easily removed for cleaning or refilling. Frame finished in white enamel. Rack containing 4 bottles. 25.00
- Rack containing four bottles. 20.00
- Extra bottles to fit in either of the above racks, each. 7.50

Do not mutilate catalogue.—Specify section letter and number in ordering.



PORTABLE ELECTRIC LIGHT STANDS

- T-715 Electric parabolic reflector. Inside of reflector plated, mounted on a strong adjustable stand with heavy base and rollers. The reflector can be placed at any angle and is fitted with socket and cord and high candle power lamp. Diameter of reflector 30 ins. 15 00
- T-720 Electric illuminating stand, adjustable as to height and arranged so that it can be tilted in every direction. Complete as illustrated. 17 50
- T-725 The Eye and Ear Infirmary portable electric light stand is so constructed that the light can be placed where it is needed and in such a way that the stand proper is not in the way of the operator, assistants or spectator. It is principally intended for use in the eye, ear, nose and throat operating room. The stand has a heavy base to make it firm, the upper portion has a flexible arm on one side and on the other side a variable weight. The base is finished in black, the balance of the stand is oxidized copper. Complete including 30 C. P. Edison stereopticon lamp. 20 00
- T-730 Electric illuminating apparatus, Dr. J. Beck's. This is so arranged that it can be attached to any operating table or operating chair. The upper portion is of flexible material and the shaft itself can be turned in every direction. Gasket complete with cable, 30 C. P. Edison stereopticon lamp and parabolic reflector. 7 50
- T-735 Electric light stand, adjustable with flexible arm connected to telescoping extension tube. Complete with 37 1/2 watt and attachment plug, 30 C. P. lamp and parabolic reflector. 12 50

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-740

Mayo Instrument Rack



T-745

Mayo Instrument Rack With
Stand and Base

MAYO INSTRUMENT RACK

A convenient tray for holding instruments during an operation. The removable porcelain tray rests in an aluminum frame, and is held in place with small clamps and set screws. The frame is attached to a stand having an adjustable collar. The tray can be passed through the eye bolts attached to the uprights of the table, and adjusted to suit the convenience of the operator.

T-740 Mayo instrument rack, with removable porcelain tray.....	\$7.50
T-745 Mayo instrument rack, with non-removable aluminum tray.....	7.50
T-746 Mayo instrument rack, with porcelain tray, no base.....	10.00



T-750

Anaesthetizer's Screen

ANAESTHETIZER'S SCREEN

Consists of double brass rod and stand clamp. The rod can be bent into shape and also to suit the convenience of the anaesthetizer. Can be attached to any operating table. Screens field of operation, and protects the wound from sepsis through saliva or vomit that might otherwise possibly contaminate the field of operation.

T-750 Anaesthetizer's screen, with clamp complete.....

\$12.50

THE DEAN OPERATING
TABLE

(Designed by Dr. L. M. Dean,
Iowa City, Iowa.)

This table was designed by Dr. Dean to meet in a surgical table the special requirements and positions required in his work as an eye, ear, nose and throat specialist, and by practical test has demonstrated that it more than meets the demands for which it was originally made.

The table top is adjustable in height from 24 to 42 inches, and is raised or lowered by means of a worm screw and gear operated by the large hand wheel in the center of the table frame.

The head piece is adjustable in any desired angle by means of the wheel at head of the table operating a sliding bar and worm adjustment, and retains any position without other lock or catch.

The drop head piece, which can be attached to the head of the table, will be found especially useful in operations of the neck, and in laryngoscopic, bronchoscopic and esophagoscopic work.

The top of the table can be tilted to the foot or head, giving a semifull Trendelenburg or reverse Trendelenburg position. It is covered with heavy sheet copper, polished and nickel plated.



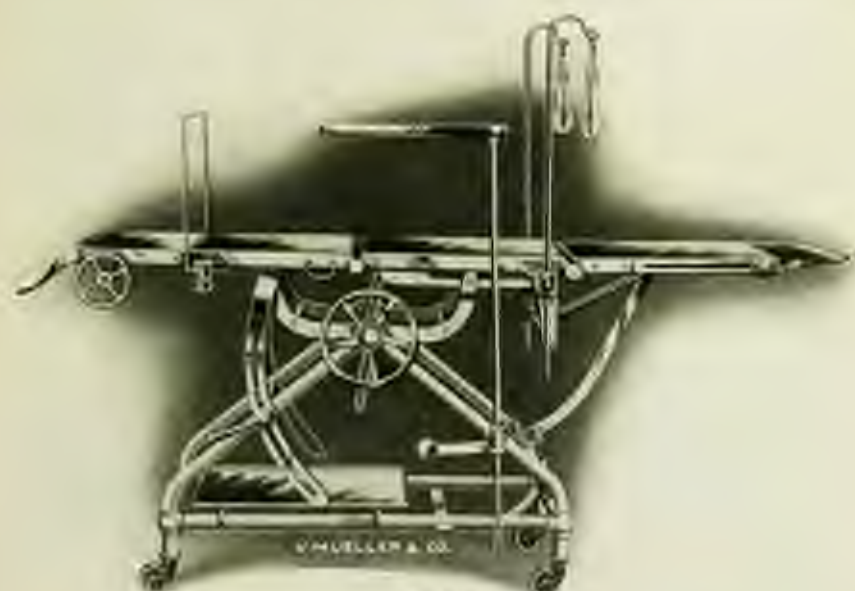
The angled foot rest is attached to and is a part of the foot piece of the table, and is adjustable up or down by means of slide and set screw.

The frame is of heavy wrought iron tubular construction, finished in white enamel, and mounted on heavy sliding casters.

Dean operating table, complete, as described \$275.00

T-755

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-765

THE MINNESOTA OPERATING TABLE No. 3

(As used at St. Mary's Hospital, Rochester, Minn.)

(Patent applied for.)

The latest model of this table (shown in above illustration) differs radically in mechanical construction from our No. 1 of the same name, which we presented to the profession some three years ago. All practical positions demanded in modern surgery can be quickly and easily obtained, and all positions or changes of positions are under the direct control of and can be made by the practitioner from the head of the table. The new features exhibited are:

First—The obtaining of the ventral body elevation by means of wheel, worm screw and ratchet.

Second—The automatic dropping and raising of the foot piece in the Trendelenburg position.

Third—The almost instantaneous change of position that can be made by means of our new improved foot lever, from the Trendelenburg and horizontal to the reverse Trendelenburg position.

Fourth—The sliding, hinged, adjustable footrest that is absolutely necessary to obtain the best results in the reverse Trendelenburg position.

Fifth—The adjustable headrest operated by wheel and one improved screw with sliding nut.

Sixth—The Mayo deep headrest that can be attached to the table proper for polio work and operations on the neck.

The top is made of heavy copper, heavily nickel plated; fittings are of wrought iron, copper and nickel plated; frame is of tubular construction finished in white enamel and mounted on heavy 5 inch iron rubber tire wheels.

It is complete with Mayo instrument rack, Mayo pointer attachment, Mayo adjustable head piece, sliding adjustable footrest, anaesthetist's screen, anaesthetist's shelf, leg holders and foot straps.

T-765 Minnesota operating table No. 3, complete as described..... \$25.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-775

"THE WHITE LINE" OPERATING TABLES

These tables need no introduction; they have been in use by the profession for the past ten years, and have, without exception, given the best of satisfaction. They are clean, easy to keep clean, and are practically indestructible, and they will meet the requirements of the most exacting operator.

The tops are of iron, coated with snow white porcelain enamel, and are thoroughly aseptic. The body elevator can be raised or lowered from either side of the table by means of an improved sliding screw, is operated without noise, and retains its position without ratchet. Table frame is of tubular construction, rigidly braced, finished in white enamel, and is mounted on heavy three-inch rubber tired iron casters.

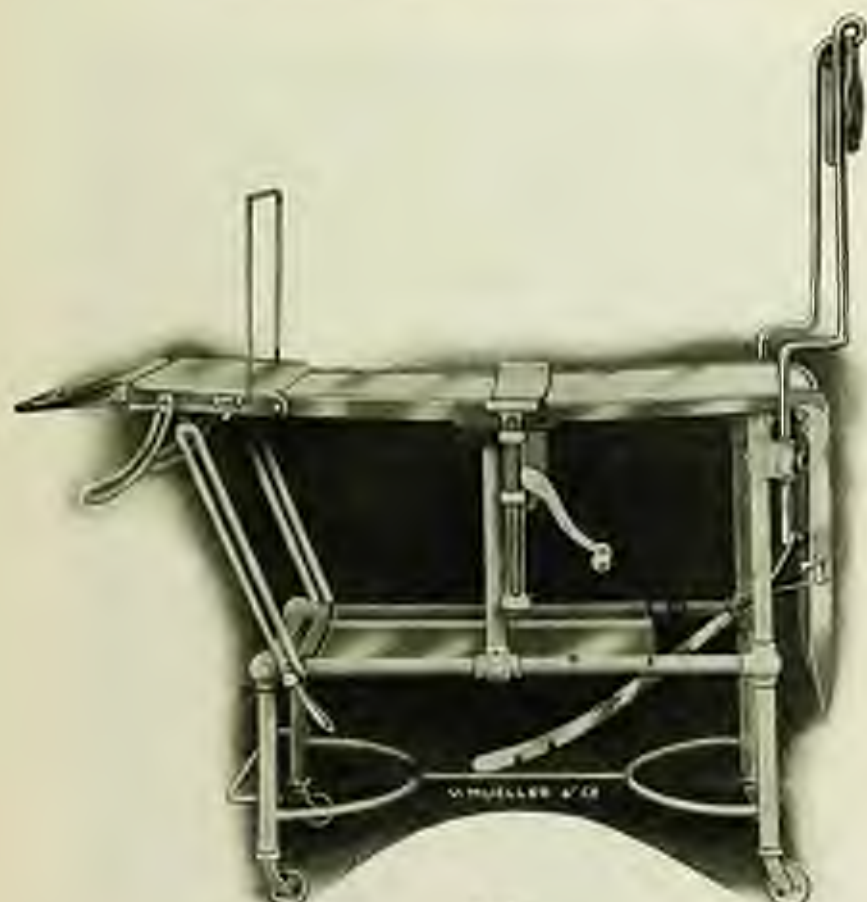
The legs are made in three forms: plain, with longitudinal drain, and as shown in illustration with longitudinal and lateral drain.

T-775 White line operating table, with elevator, complete as shown.....\$25 00

T-775A White line operating table, without elevator, otherwise complete as shown..... 20 00

The table can also be furnished with plain or slightly concave as well as with longitudinal drain at the same price as T-775A.

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-780

THE MINNESOTA OPERATING TABLE No. 2

(As used at St. Mary's Hospital, Rochester, Minn.)

The table is so balanced that it can be placed in any desired position without exertion. The foot piece automatically drops to the proper angle when the table is placed in the Trendelenburg position, and retracts itself automatically as the table top is brought back to the horizontal plane.

The body elevator for stomach, kidney and gall stone work, can be operated from either side of the table, is raised or lowered by means of new improved screw and sliding rod mechanism, works positively and permits any adjustment without lock or catch.

A small shelf or rack for holding instruments when operating in the gynaeceal or rectal positions can be attached to the foot piece of table, and raised or lowered by means of sliding rods and set screws.

Mayo instrument tray or rack can be used on either side of table and adjusted by means of sliding rod and set collar.

Top is made of heavy brass, polished and nickel plated; fillings of wrought iron, copper and nickel plated; frame of tubular construction, finished in white enamel, and mounted on heavy, 3-inch rubber tired iron wheels.

The Minnesota operating table No. 2, complete with Mayo instrument rack, Mayo gutter attachment, gynaeceal shelf, adjustable body elevator, anaesthetist's screen, shelf for standees, leg holders, and foot straps.....\$150.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-785

OPERATING TABLE

The J. E. Raistrick general operating table, with automatic leg extension, drop and adjustable elevator and bridge for gallbladder, kidney or stomach operations and for bounding the abdomen. It is constructed of steel, white enameled, and the top is fitted with four heavy French plate glass plates. On, if preferred, the single section of glass can be divided and the top furnished with six plates, but four are usually preferred, as it prevents breakage. The table has been designed where a glass top table is preferred.

T-785 Raistrick table, without elevator and bridge and leg holders.....	\$15.00
T-785A is the same as No. 785, with gynecological stirrups.....	30.00
T-785B is the same as No. 785, with gynecological stirrups and shoulder braces.....	100.00
T-785C Complete as shown on the illustration, with the gallbladder elevator and bridge and all the attachments, including detachable anesthetist's screen.....	120.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



V. MUELLER & CO.

T-700

V. MUELLER & CO.'S IMPROVED BALDWIN TABLE

This table is designed to meet the demands for a cheaper table than those shown on the preceding pages, although it is a good, strong outfit. The entire top of table is shepardized sheet steel, baked white enamel (painted) and has a strong base.

T-700 Steel, white enameled top, Baldwin automatic operating table as shown in above (1).
Inclusion with 1 pair adjustable Bierhoff knee crutches and Ligeur's anaesthesia rack.....\$75.00

T-700A Same as 700 with the addition of the improved differential abdominal elevator with
tension springs (no chain) and 1 pair shoulder levers.....\$85.00

T-700B Table only with 1 pair leg holders and straps, or 1 pair gynaecological stirrups.....\$60.00



V. MUELLER & CO.

T-795



V. MUELLER & CO.

T-199

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-795

THE COLUMBE'S MOSCOW TABLE

The frame or base of our Moscow table is made of strong, seamless tubing well braced and fitted on Tiltlock rubber casters.

The top is made of heavy steel in three pieces, viz: Head piece, center piece and foot piece.

The center piece is slotted for drainage and has the U shape in front, allowing freedom in vaginal and rectal examinations or instrumentation. The drain pan slides under and carries all drainage to the bucket.

Center piece is hinged to the frame or base about three inches above the top rail, thus preventing shearing of clothing or fingers.

The foot piece is easily detached and attached when desired, and locks automatically by raising.

The head piece has the headrest and clamps for shoulder crutches and can be placed at any angle desired.

When used as an examining chair, the center forming the seat can be lowered at the front, which will raise the drainage to flow forward and toward the center at the same time. By means of a crank, the seat of the table can be raised to any desired height, always self-locking.

With a simple device, the seat of the table can be raised or lowered by the space of a crank to any desired height without removing the patient, and is always self-locking the table being rigid at all elevations. Adjusted on Tiltlock rubber tired casters. Length of table, by using the head rest, 75 inches; width, 15 inches; height, 22 inches. The drop-leaf is raised or lowered by an entirely new device. The Moscow is modern and up-to-date in every particular. T.795. Price \$65.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



THE PARAGON OFFICE EXAMINING TABLE

A table for office practice giving all necessary positions for examination and treatment; a table that is "simple" easy to keep clean and that harmonizes with the office furnishings.

Mechanism of table—adjustable, self-adjusting; the patient can be placed in position needed with rapidity and ease.

The Paragon table is of steel construction with rigid frame of tubular steel, eliminating corners and crevices.

The shelf extending the full length of the table frame will be found a convenience, as on it within reach of the physician's hand can be placed instruments, books, etc.

The adjustable stirrups are of steel, nickel plated.

Mounted on sliding furniture wheels, the Paragon table is easy to move. The sliding shoes do not lock up the floor or ruin its rollers.

The Paragon table we finish in the highest grade of enamel, hand rubbed and baked.

In order to save our customers excessive transportation charges, we ship the tables knocked down, as the construction is such that it is only the work of a few minutes to re-assemble them.

T-500 No. 10, Paragon table, white enamel finish. Price.....	\$22.50
T-500A No. 10, Paragon table, golden oak finish. Price.....	23.50
T-500B No. 10, Paragon table, mahogany finish. Price.....	25.00
T-500C Water proof rubber cushions for Paragon table. Price.....	5.00

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-805

CHICAGO EXAMINING AND OPERATING TABLE

This table is designed to meet the demand of a good all round examining and operating table. It is made entirely of metal and all the necessary mechanisms can be had without any complicated mechanism. The tilting device is a smooth winding gear which is so situated that it can be reached by the operator most conveniently while either in a sitting or standing position. The seat and leg-rest on the table have a space cut out of them in the middle, which is most desirable in gynecological work. The design of the table is such that it does not interfere with the use of instruments. These features eliminate the necessity of moving the patient or removing the leg-rest. The table has a step for the patient which is entirely out of the way, also improved adjustable foot stirrups and Bierker's leg crutches. Stirrups, head-rests and handles are nickel plated. The table is finished in white enamel unless otherwise specified. It can be furnished with plate glass top as well as with grained oak or mahogany finish.

T-805 Chicago table, including stirrups, white enamel finish.....	\$117.50
Bierker's leg crutches, pair.....	5.00
Leatherette cushion, black or white covering entire top, extra.....	7.50
Adjustable head-rest, extra.....	7.50
Adjustable shoulder braces, extra.....	7.50
For table without stirrups, deduct \$25.00.....	

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-310

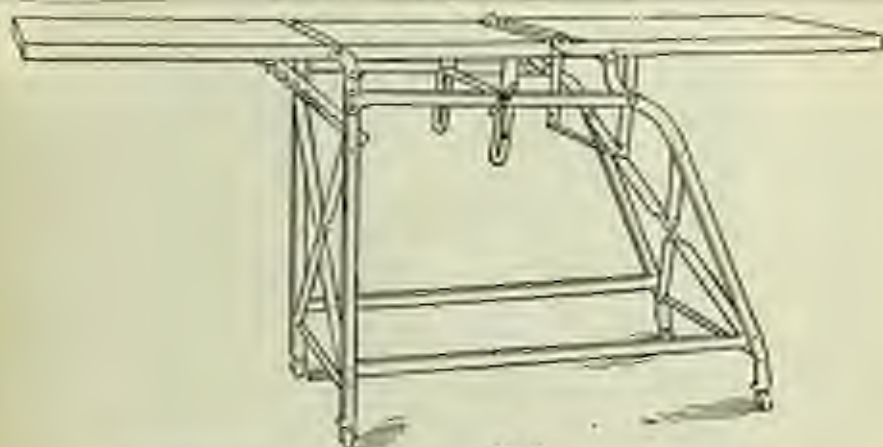
COLUMBUS CHAIR AND OPERATING TABLE.

This table is constructed of steel, finished in white enamel with the exception of handles, legs, feet and straps, which are nickel plated. The various positions as used by the modern surgeon and gynecologist can all be obtained from this table easily and quickly, for the reason that the mechanism is very simple. The middle portion of the table is short, and when put in position as shown in the lower illustration is connected with the adjustable headrest, transforming the table into a satisfactory chair for nurse and assistant work. Complete with attachments as illustrated.

This \$22.00

Do not mutilate catalogues.—Specify section letter and number in ordering.





No. 1



No. 4



No. 2



No. 3

T-815

JUNIOR FOLDING EXAMINING AND OPERATING TABLE

The table illustrated above in various positions is the best table of this type that can be secured for the money. It is especially valuable to the surgeons practicing in the country and who are at times compelled to transport the operating table to the patients' homes. The table is made of steel and malleable iron, well braced. When making it as strong as a folding table can be made. It will sustain a weight of 500 lbs.

T-815 Junior table complete with lithotomy crutches, stirrups, 15 gallon petroleum, table, bag, cut-off and rod.....	215 00
T-815A Junior table, with lithotomy crutches and stirrups.....	35 00
T-815B Junior table, only, without lithotomy crutches or stirrups.....	54 00
Imitation leather cushions for junior table.....	4 00

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-820

V. MUELLER & CO'S PHYSICIAN'S OFFICE OUTFIT No. 1

T-820 office outfit consisting of the junior examining and operating table as described under T-820A	\$14.00
V. M. & Co's dressing and instrument stand T-821	7.00
Double revolving wash-stand T-822	2.00
Isolation leather cushion for junior table	5.00
Complete outfit as described above when ordered together. Special price, net cash	28.00



T-825

V. MUELLER & CO'S SURGEON'S OPERATING ROOM OUTFIT

T-825 V. Mueller & Co's response operating room outfit. The table is the above outfit in our improved Muesow table T-790. Equipped with leg holders, stirrups, shoulder braces and head-rest and can be placed in any position required for general surgery and examinations. Irrigator and immersion stand is of the most improved pattern and has two immersion basins and one dressing pan which is especially desirable in urethral irrigation, etc. One instrument table with top and two shelves, one auxiliary operating stool, combination nickel plated sterilizing outfit for glass, instruments and water. Complete outfit as described above when ordered together, special price, net cash	\$220.00
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Do not mutilate catalogue.—Specify section letter and number in ordering.



T-830

V. MUELLER & CO'S PHYSICIANS' OFFICE OUTFIT No. 2

T-830 The table included in this outfit is the Chicago containing and operating table described under T-805, and every position known to modern surgery can be easily and quickly obtained from this table. The operating stand is described under T-45. The instrument cabinet is described under T-360. It is made of heavy gauge sheet steel and of a very handsome design and finish. The whole outfit is carefully finished in white enamel and makes a handsome outfit for any physician's office at a very reasonable price. As the cabinet is made with double strength glass, plate glass or beveled plate glass and the table can be had with various attachments and consequently at various prices, the price for this outfit ranges, according to selection, from..... \$75 00 to \$200 00

MATERNITY BED



T-835

Picture 1 1/2 in. from side to in., spring rods 1/2 in. Strong steel band bolton set 10 in. from floor. Height of head end 22 in.; height of foot end 20 in. Foot piece instead of casters. Width 2 ft., 6 in. and 1 ft. Length inside C.D., 6 ft. Shipping weights 90 and 100 lbs.

This illustration shows the bed with head and foot sections joined and fastened together by means of hooks on the upper cross rods of outer legs.

See bed below with foot section removed, and with stirrups attached ready for use.

The detachable foot section can be set aside and may be utilized as a table.

T-835, Type 1 1/2 ft. 5 in. 125 00

T-835, 3 ft. 17 50

MATTRESSES FOR THE
MATERNITY BED

Mattresses made in two parts can be furnished by us and prices will be quoted on application. Mention whether wanted in half, elastic foot or other filling.

Any mattresses supplied by us will be well made and will properly fit the beds for which they are ordered.



T-835



THE SUMMERS "SO-EASY" BED

The construction of this bed is such, that some 12 positions may be obtained easily without the comfort to the patient and with out tire labor on the part of the physician or nurse.

The adjustments are such, that the back rest, foot rest, leg rest, knee rest, back extension and a Morris chair position may be had.

There are no cracks, joints or chains to accumulate dirt and dust.

This bed has the endorsement of a number of hospitals and sanitarians, having been in use for some years past.



As will be noted from the illustration, no special mattress is required.

Distance from floor to top of head 35 inches.

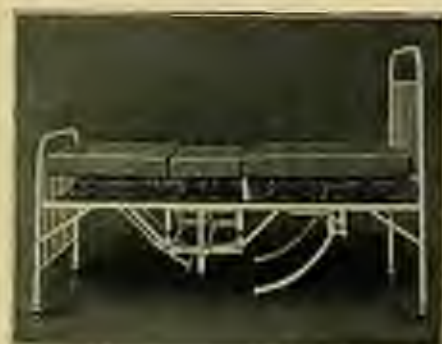
T-540 Price without mattress\$25.00

Special discount to hospitals.

All beds are shipped F. O. B. London.

T-540

Do not mutilate catalogue.—Specify section letter and number in ordering.



T-845

This bed solves the problem of drainage in pelvic and abdominal surgery, and fractures when set will give the surgeon no further worry, for the reason that the patient can be handled by the attendant without danger of displacement. This invalid bed is highly endorsed by physicians and nurses, for the reason that it simplifies bathing and vaginal douching, prevents bed sores and consequently hastens recuperation.

THE WALLACE ADJUSTABLE INVALID AND HOSPITAL BED

T-845 The Wallace invalid bed is an ideal hospital bed. It insures real rest for the patient and saves more than half the labor of nursing. The bed can be easily and instantly adjusted to practically every position and can obtain an operating table, without inconvenience to the patient or undue strain and hard work on the part of the attendant. Middle section of the bed can be lowered for the use of bed or douche pans or a change of sheets and for this purpose no lifting or moving of the patient is necessary.



T-845



T-845

In electrical cases the bed is portable. As individual sheets are used for each section, the changing of them is an easy matter and it can be accomplished without disturbing the patient. The bed is made entirely of metal practically indestructible, can be furnished japanned or in white enamel finish. Complete with best box type springs and high grade soft felt mattress.

mattress \$20.00

A discount from above price is allowed to doctors and hospitals.

A large stock is kept on hand at the factory for immediate shipment. All beds are shipped F. O. B. St. Louis, Mo.

CASH DISCOUNTS

All prices shown in this catalog are subject to cash discount, with the exception of such prices as are listed *NET*.

Cash discount may be deducted if remittance is made by the tenth of the month following purchase.

All prices are L. o. b. Chicago or factory.

Section M—

Eye, Ear, Nose, Throat and Stomach.

Pages 5 to 18 and M-295 to M-300 6%

Hearing Apparatus, Pages 88 and 89 and M-3155 50%

Ear Phones, Page 90 Net

Pages 19 to 222 F 10%

With exception of E. S. I. Co's. instruments 5%

Section N—

Anæsthetic Apparatus, General Operating and

Gynaecological instruments; Leather Goods.

Pages 223 to 382 10%

Section O—

Urethral, Bladder, Prostatic and Rectal Instruments.

Pages 383 to 448 10%

With exception of electrically lighted instruments.

Electrically lighted Instruments 5%

O-1140-A Net

Section P—

Diagnostic Instruments, Laboratory Supplies, Syringes.

Pages 449 to 508 10%

With exception of pages 474 and 475 which are *NET*

and electric centrifuges, 476 and 477 5%

Section R—

Pages 509 to 574, Deformity apparatus, crutches, trusses,

suspensories, elastic hosiery, abdominal supporters and

artificial limbs 25%

Balance of Section R 10%

Section S—

Electro-Medical X-Ray and Medico-Mechanical Apparatus.

Pages 575 to 634 5%

Section T—

Pages 635 to 710, Office and Hospital Furniture 5 to 10%

Discounts on high pressure sterilizers on application.

All prices in this catalogue listed *NET* are subject to no cash discount.

Prices are subject to change without notice.

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